

Mohamed A Abdelwahab

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6268847/publications.pdf>

Version: 2024-02-01

42
papers

1,260
citations

489802

18
h-index

425179

34
g-index

44
all docs

44
docs citations

44
times ranked

1785
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual drug delivery system based on biodegradable modified poly(3-hydroxybutyrate)-NiO nanocomposite and sequential release of drugs. <i>Polymer Bulletin</i> , 2022, 79, 10969-10990.	1.7	3
2	Waste valorization in sustainable engineering materials: Reactive processing of recycled carpets waste with polyamide 6. <i>Polymer Testing</i> , 2022, 114, 107681.	2.3	6
3	Impact of renewable carbon on the properties of composites made by using three types of polymers having different polarity. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49948.	1.3	8
4	Adsorption of Congo red and crystal violet dyes onto cellulose extracted from Egyptian water hyacinth. <i>Natural Hazards</i> , 2021, 105, 1375-1394.	1.6	20
5	Super-tough sustainable biobased composites from polylactide bioplastic and lignin for bio-elastomer application. <i>Polymer</i> , 2021, 212, 123153.	1.8	26
6	Ocean plastics: environmental implications and potential routes for mitigation – a perspective. <i>RSC Advances</i> , 2021, 11, 21447-21462.	1.7	48
7	Sustainable Biocomposites from Recycled Bale Wrap Plastic and Agave Fiber: Processing and Property Evaluation. <i>ACS Omega</i> , 2021, 6, 2856-2864.	1.6	11
8	Effect of a Small Amount of Synthetic Fiber on Performance of Biocarbon-Filled Nylon-Based Hybrid Biocomposites. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000680.	1.7	9
9	Co-delivery of norfloxacin and tenoxicam in Ag-TiO ₂ /poly(lactic acid) nanohybrid. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 771-781.	3.6	8
10	Biocomposites from biobased polyamide 4,10 and waste corn cob based biocarbon. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 145, 106340.	3.8	21
11	Antibacterial and cytotoxicity of methylene blue loaded-cellulose nanocarrier on breast cancer cell line. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100138.	1.6	6
12	Synthesis and Design of Norfloxacin drug delivery system based on PLA/TiO ₂ nanocomposites: Antibacterial and antitumor activities. <i>Materials Science and Engineering C</i> , 2020, 108, 110337.	3.8	44
13	Comparison in composite performance after thermooxidative aging of injection molded polyamide 6 with glass fiber, talc, and a sustainable biocarbon filler. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48618.	1.3	20
14	Studies on the dimensional stability and mechanical properties of nanobiocomposites from polyamide 6-filled with biocarbon and nanoclay hybrid systems. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 129, 105695.	3.8	43
15	Poly(3-hydroxybutyrate)/poly(amine)-coated nickel oxide nanoparticles for norfloxacin delivery: antibacterial and cytotoxicity efficiency. <i>RSC Advances</i> , 2020, 10, 34046-34058.	1.7	13
16	Processing, Carbonization, and Characterization of Lignin Based Electrospun Carbon Fibers: A Review. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	33
17	Sustainable composites from poly(3-hydroxybutyrate) (PHB) bioplastic and agave natural fibre. <i>Green Chemistry</i> , 2020, 22, 3906-3916.	4.6	51
18	Mechanical optimization of virgin and recycled poly(ethylene terephthalate) biocomposites with sustainable biocarbon through a factorial design. <i>Results in Materials</i> , 2020, 5, 100060.	0.9	20

#	ARTICLE	IF	CITATIONS
19	Hybrid biocomposites from polypropylene, sustainable biocarbon and graphene nanoplatelets. <i>Scientific Reports</i> , 2020, 10, 10714.	1.6	37
20	Injection Molded Novel Biocomposites from Polypropylene and Sustainable Biocarbon. <i>Molecules</i> , 2019, 24, 4026.	1.7	25
21	Injection molded biocomposites from polypropylene and lignin: Effect of compatibilizers on interfacial adhesion and performance. <i>Industrial Crops and Products</i> , 2019, 132, 497-510.	2.5	40
22	Hybrid Green Bionanocomposites of Bio-based Poly(butylene succinate) Reinforced with Pyrolyzed Perennial Grass Microparticles and Graphene Nanoplatelets. <i>ACS Omega</i> , 2019, 4, 20476-20485.	1.6	11
23	Arabic Validation of the Standardized Cosmesis and Health Nasal Outcome Survey for Arabic-Speaking Rhinoplasty Patients. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 673e-675e.	0.7	20
24	Evaluation of antibacterial and anticancer properties of poly(3-hydroxybutyrate) functionalized with different amino compounds. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 793-805.	3.6	19
25	Functionalization of poly(3-hydroxybutyrate) with different thiol compounds inhibits MDM2-p53 interactions in MCF7 cells. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46924.	1.3	12
26	In Situ Cellulose Nanocrystal-Reinforced Glycerol-Based Biopolyester for Enhancing Poly(lactic acid) Biocomposites. <i>ACS Omega</i> , 2018, 3, 3857-3867.	1.6	16
27	Corresponding regions for shadow restoration in satellite high-resolution images. <i>International Journal of Remote Sensing</i> , 2018, 39, 7014-7028.	1.3	11
28	Poly(3-hydroxybutyrate)/polyethylene glycol-NiO nanocomposite for NOR delivery: Antibacterial activity and cytotoxic effect against cancer cell lines. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 717-727.	3.6	26
29	Injection-Molded Bioblends from Lignin and Biodegradable Polymers: Processing and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2360-2373.	2.4	13
30	Synthesis and thermal properties of nanocomposites based on exfoliated organoclay polystyrene and poly(methylmethacrylate). <i>Nanocomposites</i> , 2017, 3, 20-29.	2.2	14
31	Serum Endoglin and IL-6 Levels as Complementary Diagnostic Biomarkers for Hepatocellular Carcinoma in Egyptian Liver Cirrhosis Patients. <i>Research Journal of Immunology</i> , 2016, 10, 1-7.	0.7	1
32	Effect of maleated polypropylene emulsion on the mechanical and thermal properties of lignin-polypropylene blends. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	6
33	Epoxidized pine oil-siloxane: Crosslinking kinetic study and thermomechanical properties. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	14
34	Thermo-mechanical characterization of bioblends from polylactide and poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,142 Td (a	1.7	76
35	Biobased Ternary Blends of Lignin, Poly(Lactic Acid), and Poly(Butylene Adipate-co-Terephthalate): The Effect of Lignin Heterogeneity on Blend Morphology and Compatibility. <i>Journal of Polymers and the Environment</i> , 2014, 22, 439-448.	2.4	70
36	Incorporation of poly(glycidylmethacrylate) grafted bacterial cellulose nanowhiskers in poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,142 Td (a	2.6	59

#	ARTICLE	IF	CITATIONS
37	copolymer. Journal of Polymer Science Part A, 2012, 50, 5151-5160.	2.5	18
38	Thermal, mechanical and morphological characterization of plasticized PLAâ€“PHB blends. Polymer Degradation and Stability, 2012, 97, 1822-1828.	2.7	328
39	Synthesis and characterization of styrene modified vinylester resinâ€“clay nanocomposites. Polymer Engineering and Science, 2012, 52, 125-132.	1.5	9
40	Starch. , 2012, , 5-32.		6
41	Synthesis and Characterization of Methyl Methacrylate Modified Vinylester Resin-Clay Nanocomposites. The Open Macromolecules Journal, 2012, 6, 20-27.	2.0	7
42	Vinylester resinâ€“clay hybrids using various intercalating agents. Journal of Applied Polymer Science, 2010, 115, 2060-2068.	1.3	7