

Pj Jandas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3275255/publications.pdf>

Version: 2024-02-01

21
papers

592
citations

687363

13
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface treated banana fiber reinforced poly (lactic acid) nanocomposites for disposable applications. <i>Journal of Cleaner Production</i> , 2013, 52, 392-401.	9.3	95
2	Effect of surface treatments of banana fiber on mechanical, thermal, and biodegradability properties of PLA/banana fiber biocomposites. <i>Polymer Composites</i> , 2011, 32, 1689-1700.	4.6	77
3	Morphology and Thermal Properties of Renewable Resource-Based Polymer Blend Nanocomposites Influenced by a Reactive Compatibilizer. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 377-386.	6.7	59
4	Sustainability, Compostability, and Specific Microbial Activity on Agricultural Mulch Films Prepared from Poly(lactic acid). <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17714-17724.	3.7	47
5	Renewable Resource-Based Biocomposites of Various Surface Treated Banana Fiber and Poly Lactic Acid: Characterization and Biodegradability. <i>Journal of Polymers and the Environment</i> , 2012, 20, 583-595.	5.0	36
6	Thermal properties and cold crystallization kinetics of surface-treated banana fiber (BF)-reinforced poly(lactic acid) (PLA) nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 1265-1278.	3.6	36
7	Highly selective and label-free Love-mode surface acoustic wave biosensor for carcinoembryonic antigen detection using a self-assembled monolayer bioreceptor. <i>Applied Surface Science</i> , 2020, 518, 146061.	6.1	34
8	Highly stable, love-mode surface acoustic wave biosensor using Au nanoparticle-MoS ₂ -rGO nano-cluster doped polyimide nanocomposite for the selective detection of carcinoembryonic antigen. <i>Materials Chemistry and Physics</i> , 2020, 246, 122800.	4.0	33
9	Synthesis, characterization of reduced graphene oxide nanosheets and its reinforcement effect on polymer electrolyte for dye sensitized solar cell applications. <i>Solar Energy</i> , 2018, 170, 442-453.	6.1	30
10	Mechanical properties of surface-treated banana fiber/polylactic acid biocomposites: A comparative study of theoretical and experimental values. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4027-4038.	2.6	23
11	Effective utilization of quartz crystal microbalance as a tool for biosensing applications. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 113020.	4.1	23
12	Molecularly imprinted poly(methacrylic acid) based QCM biosensor for selective determination of L-tryptophan. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125859.	4.7	22
13	Graphene oxide-Au nano particle coated quartz crystal microbalance biosensor for the real time analysis of carcinoembryonic antigen. <i>RSC Advances</i> , 2020, 10, 4118-4128.	3.6	21
14	Evaluation of biodegradability of disposable product prepared from poly (lactic acid) under accelerated conditions. <i>Polymer Degradation and Stability</i> , 2019, 164, 46-54.	5.8	9
15	Rheological and Mechanical Characterization of Renewable Resource Based High Molecular Weight PLA Nanocomposites. <i>Journal of Polymers</i> , 2013, 2013, 1-11.	0.9	8
16	Cold crystallization kinetics of biodegradable polymer blend; controlled by reactive interactable and nano nucleating agent. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 624-634.	21.1	8
17	Electrode material for high performance symmetric supercapacitors based on superparamagnetic Fe ₃ O ₄ nanoparticles modified with cetyltrimethylammonium bromide. <i>Synthetic Metals</i> , 2022, 287, 117080.	3.9	8
18	Ti ₃ C ₂ T _x MXene-Au nanoparticles doped polyimide thin film as a transducing bioreceptor for real-time acoustic detection of carcinoembryonic antigen. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112998.	4.1	7

#	ARTICLE	IF	CITATIONS
19	A highly sensitive surface acoustic wave sensor modified with molecularly imprinted hydrophilic PVDF for the selective amino acid detection. <i>Sensors and Actuators A: Physical</i> , 2022, 341, 113525.	4.1	7
20	Eco-friendly poly (hydroxybutyrate) nanocomposites: preparation and characterization. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	3
21	Graphitic carbon nitride for fuel cells. , 2022, , 341-366.		1