Pj Jandas

List of Publications by Year
in descending order

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	Graphitic carbon nitride for fuel cells. , 2022, , 341-366.		1
2	A highly sensitive surface acoustic wave sensor modified with molecularly imprinted hydrophilic PVDF for the selective amino acid detection. Sensors and Actuators A: Physical, 2022, 341, 113525.	4.1	7
3	Electrode material for high performance symmetric supercapacitors based on superparamagnetic Fe3O4 nanoparticles modified with cetyltrimetylammonium bromide. Synthetic Metals, 2022, 287, 117080.	3.9	8
4	Molecularly imprinted poly(methacrylic acid) based QCM biosensor for selective determination of L-tryptophan. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125859.	4.7	22
5	Eco-friendly poly (hydroxybutyrate) nanocomposites: preparation and characterization. Journal of Polymer Research, 2021, 28, 1.	2.4	3
6	Ti3C2Tx MXene-Au nanoparticles doped polyimide thin film as a transducing bioreceptor for real-time acoustic detection of carcinoembryonic antigen. Sensors and Actuators A: Physical, 2021, 331, 112998.	4.1	7
7	Effective utilization of quartz crystal microbalance as a tool for biosensing applications. Sensors and Actuators A: Physical, 2021, 331, 113020.	4.1	23
8	Highly selective and label-free Love-mode surface acoustic wave biosensor for carcinoembryonic antigen detection using a self-assembled monolayer bioreceptor. Applied Surface Science, 2020, 518, 146061.	6.1	34
9	Graphene oxide-Au nano particle coated quartz crystal microbalance biosensor for the real time analysis of carcinoembryonic antigen. RSC Advances, 2020, 10, 4118-4128.	3.6	21
10	Highly stable, love-mode surface acoustic wave biosensor using Au nanoparticle-MoS2-rGO nano-cluster doped polyimide nanocomposite for the selective detection of carcinoembryonic antigen. Materials Chemistry and Physics, 2020, 246, 122800.	4.0	33
11	Evaluation of biodegradability of disposable product prepared from poly (lactic acid) under accelerated conditions. Polymer Degradation and Stability, 2019, 164, 46-54.	5.8	9
12	Cold crystallization kinetics of biodegradable polymer blend; controlled by reactive interactable and nano nucleating agent. Advanced Composites and Hybrid Materials, 2018, 1, 624-634.	21.1	8
13	Synthesis, characterization of reduced graphene oxide nanosheets and its reinforcement effect on polymer electrolyte for dye sensitized solar cell applications. Solar Energy, 2018, 170, 442-453.	6.1	30
14	Morphology and Thermal Properties of Renewable Resource-Based Polymer Blend Nanocomposites Influenced by a Reactive Compatibilizer. ACS Sustainable Chemistry and Engineering, 2014, 2, 377-386.	6.7	59
15	Mechanical properties of surfaceâ€treated banana fiber/polylactic acid biocomposites: A comparative study of theoretical and experimental values. Journal of Applied Polymer Science, 2013, 127, 4027-4038.	2.6	23
16	Thermal properties and cold crystallization kinetics of surface-treated banana fiber (BF)-reinforced poly(lactic acid) (PLA) nanocomposites. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1265-1278.	3.6	36
17	Surface treated banana fiber reinforced poly (lactic acid) nanocomposites for disposable applications. Journal of Cleaner Production, 2013, 52, 392-401.	9.3	95
18	Sustainability, Compostability, and Specific Microbial Activity on Agricultural Mulch Films Prepared from Poly(lactic acid). Industrial & Engineering Chemistry Research, 2013, 52, 17714-17724.	3.7	47

#	ARTICLE	IF	CITATIONS
19	Rheological and Mechanical Characterization of Renewable Resource Based High Molecular Weight PLA Nanocomposites. Journal of Polymers, 2013, 2013, 1-11.	0.9	8
20	Renewable Resource-Based Biocomposites of Various Surface Treated Banana Fiber and Poly Lactic Acid: Characterization and Biodegradability. Journal of Polymers and the Environment, 2012, 20, 583-595.	5.0	36
21	Effect of surface treatments of banana fiber on mechanical, thermal, and biodegradability properties of PLA/banana fiber biocomposites. Polymer Composites, 2011, 32, 1689-1700.	4.6	77