

Rajendran Muthuraj

List of Publications by Year in descending order

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16
papers

1,127
citations

623188

14
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

1285
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun poly(3-hydroxybutyrate)/chicken feather-derived keratin scaffolds: Fabrication, in vitro and in vivo biocompatibility evaluation. <i>Journal of Biomaterials Applications</i> , 2020, 34, 741-752.	1.2	14
2	Crosslinked porous three-dimensional cellulose nanofibers-gelatine biocomposite scaffolds for tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1949-1959.	3.6	29
3	Recent Advances in Porous 3D Cellulose Aerogels for Tissue Engineering Applications: A Review. <i>Journal of Composites Science</i> , 2020, 4, 152.	1.4	29
4	Strategies for polymer to polymer recycling from waste: Current trends and opportunities for improving the circular economy of polymers in South America. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 25, 100381.	3.2	37
5	Sustainable thermal insulation biocomposites from rice husk, wheat husk, wood fibers and textile waste fibers: Elaboration and performances evaluation. <i>Industrial Crops and Products</i> , 2019, 135, 238-245.	2.5	160
6	Recent progress in carbon dioxide (CO ₂) as feedstock for sustainable materials development: Co-polymers and polymer blends. <i>Polymer</i> , 2018, 145, 348-373.	1.8	155
7	Biodegradable compatibilized polymer blends for packaging applications: A literature review. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45726.	1.3	234
8	Carbon Dioxide-Derived Poly(propylene carbonate) as a Matrix for Composites and Nanocomposites: Performances and Applications. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800366.	1.7	45
9	Reactive compatibilization and performance evaluation of miscanthus biofiber reinforced poly(hydroxybutyrate-co-hydroxyvalerate) biocomposites. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	18
10	Biocomposite consisting of miscanthus fiber and biodegradable binary blend matrix: compatibilization and performance evaluation. <i>RSC Advances</i> , 2017, 7, 27538-27548.	1.7	52
11	Mechanical and thermal insulation properties of elium acrylic resin/cellulose nanofiber based composite aerogels. <i>Nano Structures Nano Objects</i> , 2017, 12, 68-76.	1.9	28
12	Biodegradable biocomposites from poly(butylene adipate-co-terephthalate) and miscanthus: Preparation, compatibilization, and performance evaluation. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45448.	1.3	42
13	Binary blends of poly(butylene adipate-co-terephthalate) and poly(butylene succinate): A new matrix for biocomposites applications. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	12
14	Hydrolytic degradation of biodegradable polyesters under simulated environmental conditions. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	93
15	Injection Molded Sustainable Biocomposites From Poly(butylene succinate) Bioplastic and Perennial Grass. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2767-2776.	3.2	80
16	Biodegradable Poly(butylene succinate) and Poly(butylene adipate-co-terephthalate) Blends: Reactive Extrusion and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , 2014, 22, 336-349.	2.4	99