

Vidhya Nagarajan

List of Publications by Year in descending order

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10
papers

1,448
citations

932766

10
h-index

1372195

10
g-index

10
all docs

10
docs citations

10
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	Blends of polylactic acid with thermoplastic copolyester elastomer: Effect of functionalized terpolymer type on reactive toughening. <i>Polymer Engineering and Science</i> , 2018, 58, 280-290.	1.5	35
2	Perspective on Polylactic Acid (PLA) based Sustainable Materials for Durable Applications: Focus on Toughness and Heat Resistance. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2899-2916.	3.2	633
3	Reactive compatibilization of poly trimethylene terephthalate (PTT) and polylactic acid (PLA) using terpolymer: Factorial design optimization of mechanical properties. <i>Materials and Design</i> , 2016, 110, 581-591.	3.3	28
4	Biocomposites with Size-Fractionated Biocarbon: Influence of the Microstructure on Macroscopic Properties. <i>ACS Omega</i> , 2016, 1, 636-647.	1.6	79
5	Crystallization behavior and morphology of polylactic acid (PLA) with aromatic sulfonate derivative. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	34
6	Overcoming the Fundamental Challenges in Improving the Impact Strength and Crystallinity of PLA Biocomposites: Influence of Nucleating Agent and Mold Temperature. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11203-11214.	4.0	170
7	Coâ€‹scpi>Injection Molded New Green Composites from Biodegradable Polyesters and Miscanthus Fibers. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 436-446.	1.7	14
8	Supertoughened Renewable PLA Reactive Multiphase Blends System: Phase Morphology and Performance. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12436-12448.	4.0	207
9	New engineered biocomposites from poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV)/poly(butylene adipate-co-terephthalate) (PBAT) blends and switchgrass: Fabrication and performance evaluation. <i>Industrial Crops and Products</i> , 2013, 42, 461-468.	2.5	107
10	Sustainable Green Composites: Value Addition to Agricultural Residues and Perennial Grasses. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 325-333.	3.2	141