

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