

# Krishna Prasad Rajan

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

365  
citations

1040018

9  
h-index

1058452

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial replacement of carbon black with graphene in natural rubber/butadiene rubber based tire compound: Investigation of critical properties. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	10
2	The rheological behaviour and thermal ageing characteristics of PP/MWCNT/glass fibre multiscale composites. <i>Polymers and Polymer Composites</i> , 2021, 29, S188-S198.	1.9	3
3	Halloysite nanotubes (HNT) as reinforcement for compatibilized blends of polypropylene (PP) and polylactic acid (PLA). <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	8
4	Design, Installation, and Operation of a Heat-Integrated Distilled Water Pilot Plant with Internal Cooling Water Circulation Cycle. <i>Water Conservation Science and Engineering</i> , 2020, 5, 137-145.	1.7	0
5	Polyhydroxybutyrate (PHB): A Standout Biopolymer for Environmental Sustainability. , 2019, , 2803-2825.		8
6	A Project Based Learning (PBL) Approach Involving PET Recycling in Chemical Engineering Education. <i>Recycling</i> , 2019, 4, 10.	5.0	9
7	Fourier transform infrared spectroscopy (FTIR), Raman spectroscopy and wide-angle X-ray scattering (WAXS) of polypropylene (PP)/cyclic olefin copolymer (COC) blends for qualitative and quantitative analysis. <i>Polymer Bulletin</i> , 2019, 76, 4259-4274.	3.3	106
8	Polyhydroxybutyrate (PHB): A Standout Biopolymer for Environmental Sustainability. , 2019, , 1-23.		6
9	Polyhydroxybutyrate (PHB): A Standout Biopolymer for Environmental Sustainability. , 2018, , 1-23.		12
10	Dielectric analysis of polypropylene (PP) and polylactic acid (PLA) blends reinforced with halloysite nanotubes. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 1042-1053.	4.2	13
11	Investigation of mechanical, dynamic mechanical, rheological and morphological properties of blends based on polypropylene (PP) and cyclic olefin copolymer (COC). <i>European Polymer Journal</i> , 2018, 108, 439-451.	5.4	24
12	Rheology, mechanical properties and thermal degradation kinetics of polypropylene (PP) and polylactic acid (PLA) blends. <i>Materials Research Express</i> , 2018, 5, 085304.	1.6	19
13	Polyblends and composites of poly (lactic acid) (PLA): a review on the state of the art. <i>Journal of Polymer Science and Engineering</i> , 2018, 1, .	1.0	4
14	Blends of Thermoplastic Polyurethane and Polydimethylsiloxane Rubber: Assessment of Biocompatibility and Suture Holding Strength of Membranes. <i>International Journal of Biomaterials</i> , 2013, 2013, 1-7.	2.4	21
15	Blends of thermoplastic polyurethane (TPU) and polydimethyl siloxane rubber (PDMS), part-I: assessment of compatibility from torque rheometry and mechanical properties. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	33
16	Preparation of Molded Viscoelastic Polyurethane Foam for Pillow Applications. <i>Frontiers in Forests and Global Change</i> , 2011, 30, 13-22.	1.1	13
17	Mechanical and Thermal Properties of Bamboo Microfibril Reinforced Polyhydroxybutyrate Biocomposites. <i>Journal of Polymers and the Environment</i> , 2009, 17, 109-114.	5.0	54
18	Investigation of parameters toward development of an empirical model for the pyrolysis of black oil-shale. <i>Petroleum Science and Technology</i> , 0, , 1-17.	1.5	0

#	ARTICLE	IF	CITATIONS
19	Effect of hot climate of Saudi Arabia on physical and mechanical properties of single use polypropylene packaging films. Journal of Applied Hematology, 0, , .	0.3	2