Raj Pal Singh

List of Publications by Year
in descending order

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37 papers	2,046 citations	430874 18 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	2952 citing authors

#	Article	IF	Citations
1	Nanoscale particles for polymer degradation and stabilizationâ€"Trends and future perspectives. Progress in Polymer Science, 2009, 34, 479-515.	24.7	560
2	Synthesis and Drugâ€Delivery Behavior of Chitosanâ€Functionalized Graphene Oxide Hybrid Nanosheets. Macromolecular Materials and Engineering, 2011, 296, 131-140.	3.6	328
3	Recent Advances in Biodegradable Nanocomposites. Journal of Nanoscience and Nanotechnology, 2005, 5, 497-526.	0.9	251
4	Cell proliferation and controlled drug release studies of nanohybrids based on chitosan-g-lactic acid and montmorillonite. Acta Biomaterialia, 2009, 5, 93-100.	8.3	211
5	Biocomposites of cellulose reinforced starch: Improvement of properties by photo-induced crosslinking. Bioresource Technology, 2008, 99, 8803-8809.	9.6	132
6	Degradability of composites, prepared from ethyleneâ€"propylene copolymer and jute fiber under accelerated aging and biotic environments. Materials Chemistry and Physics, 2005, 92, 458-469.	4.0	72
7	Novel hybrid of clay, cellulose, and thermoplastics. I. Preparation and characterization of composites of ethyleneâ€"propylene copolymer. Journal of Applied Polymer Science, 2007, 104, 2672-2682.	2.6	44
8	Glycolic acid-g-chitosan-gold nanoflower nanocomposite scaffolds for drug delivery and tissue engineering. International Journal of Biological Macromolecules, 2012, 50, 878-883.	7.5	41
9	Preparation and characterization of novel hybrid of chitosan-g-lactic acid and montmorillonite. Journal of Biomedical Materials Research - Part A, 2006, 78A, 372-382.	4.0	31
10	Hierarchical mesoporous bio-polymer/silica composites co-templated by trimethyl chitosan and a surfactant for controlled drug delivery. MedChemComm, 2011, 2, 1162.	3.4	30
11	Enhancement of thermal stability and phase relaxation behavior of chitosan dissolved in aqueous l-lactic acid: Using â€˜silver nanoparticlesâ€™ as nano filler. Macromolecular Research, 2010, 18, 713-720.	2.4	29
12	Glycolic acid functionalized chitosanâ€"Auâ€"Fe3O4 hybrid nanoparticle based nanohybrid scaffold for drug delivery. International Journal of Biological Macromolecules, 2013, 54, 244-249.	7.5	26
13	Glycolic acid-g-chitosanâ€"Ptâ€"Fe3O4 nanoparticles nanohybrid scaffold for tissue engineering and drug delivery. International Journal of Biological Macromolecules, 2012, 51, 76-82.	7.5	24
14	Preparation and characterization of bioceramic nanocomposites based on hydroxyapatite (HA) and carboxymethyl cellulose (CMC). Macromolecular Research, 2010, 18, 1160-1167.	2.4	23
15	Thermal, mechanical, and rheological characterization of polypropylene/layered double hydroxide nanocomposites. Polymer Engineering and Science, 2012, 52, 2006-2014.	3.1	23
16	Photo-stabilization of EPDMâ€"clay nanocomposites: effect of antioxidant on the preparation and durability. Polymers for Advanced Technologies, 2007, 18, 891-900.	3.2	21
17	Selective synthesis of 4,5-dihydroimidazo- and imidazo[1,5-a]quinoxalines via modified Pictetâ€"Spengler reaction. Tetrahedron Letters, 2013, 54, 5984-5990.	1.4	19
18	Influence of reactive compatibilization on the structure and properties of PP/LDH nanocomposites. Polymer International, 2011, 60, 1688-1696.	3.1	18

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19	Influence of graphene nanoscrolls on the crystallization behavior and nanoâ€mechanical properties of polylactic acid. Polymers for Advanced Technologies, 2019, 30, 1825-1835.	3.2	18
20	Chitosan-based bionanocomposites for biomedical application. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 219-227.	0.9	17
21	Synthesis, Characterization and Performance Evaluation of Polymeric Hindered Amine Light Stabilizers in Styrenic Polymers. Macromolecular Chemistry and Physics, 2001, 202, 672-680.	2.2	15
22	Durability of Natural Fiber-reinforced Composites of Ethyleneâ€"Propylene Copolymer under Accelerated Weathering and Composting Conditions. Journal of Thermoplastic Composite Materials, 2005, 18, 489-508.	4.2	14
23	Glycolic acid-functionalized chitosanâ€"Co3O4â€"Fe3O4 hybrid magnetic nanoparticles-based nanohybrid scaffolds for drug-delivery and tissue engineering. Journal of Materials Science, 2013, 48, 1524-1532.	3.7	13
24	Diphenyldiselenide As Novel Nonâ€"salt Photoinitiator for Photosensitized Cationic Polymerization of N-Vinyl Carbazole. Macromolecular Symposia, 2006, 240, 186-193.	0.7	11
25	Ultrasoundâ€Triggered Release of Ibuprofen from a Chitosanâ€Mesoporous Silica Compositeâ€a Novel Approach for Controlled Drug Release. Macromolecular Symposia, 2010, 287, 80-88.	0.7	11
26	Thermally induced cationic polymerization of glycidyl phenyl ether using novel xanthenyl phosphonium salts. Macromolecular Research, 2009, 17, 221-226.	2.4	7
27	Novel allylic phosphonium salts in free radical accelerated cationic polymerization. Polymer Bulletin, 2009, 62, 271-280.	3.3	7
28	Preparation and characterization of novel hybrid of bioâ€assisted mineralized Znâ€Al layered double hydroxides using chitosan as a template. Journal of Applied Polymer Science, 2010, 115, 3636-3644.	2.6	7
29	A general and efficient Pd-catalyzed rapid 2-fluoroethoxylation of bromo-chalcones. Journal of Fluorine Chemistry, 2016, 186, 101-110.	1.7	7
30	Cationic Polymerization of Epoxides using Novel Xanthenyl Phosphonium Salts as Thermo-latent Initiator. Polymer Bulletin, 2008, 60, 755-763.	3.3	6
31	Novel dibenzocycloheptenyl phosphonium salts as thermolatent initiator in cationic polymerization. Journal of Applied Polymer Science, 2009, 112, 3707-3713.	2.6	6
32	An Easy Access to Oxime Ethers by Pdâ€Catalyzed Câ€"O Crossâ€Coupling of Activated Aryl Bromides with Ketoximes and Chalcone Oximes. Chinese Journal of Chemistry, 2020, 38, 830-836.	4.9	6
33	Novel addition-fragmentation agent in cationic photopolymerization. Polymer Bulletin, 2010, 65, 25-34.	3.3	5
34	Synthesis, characterization, and performance evaluation of novel stabilized TDI-based polyurethane coatings under accelerated weathering. Journal of Vinyl and Additive Technology, 2005, 11, 13-20.	3.4	4
35	Characterization of a Novel Nanocomposite Film Based on Functionalized Chitosanâ€"Ptâ€"Fe3O4 Hybrid Nanoparticles. Nanomaterials, 2021, 11, 1275.	4.1	4
36	Biopolymeric Nanocomposites as Environment Benign Materials. , 2011, , 519-535.		3

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37	Synthesis, Characterization, and Performance Evaluation of Polymeric Hindered Amine Light Stabilizers (HALS) in EPDM. E-Polymers, 2007, 7, .	3.0	0