

# 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  
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41  
all docs

41  
docs citations

41  
times ranked

2952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of a Novel Nanocomposite Film Based on Functionalized Chitosan@Pt@Fe <sub>3</sub> O <sub>4</sub> Hybrid Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1275.	4.1	4
2	An Easy Access to Oxime Ethers by Pd-Catalyzed C=O Cross-Coupling of Activated Aryl Bromides with Ketoximes and Chalcone Oximes. <i>Chinese Journal of Chemistry</i> , 2020, 38, 830-836.	4.9	6
3	Influence of graphene nanoscrolls on the crystallization behavior and nano-mechanical properties of polylactic acid. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1825-1835.	3.2	18
4	Chitosan-based bionanocomposites for biomedical application. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2018, 7, 219-227.	0.9	17
5	A general and efficient Pd-catalyzed rapid 2-fluoroethoxylation of bromo-chalcones. <i>Journal of Fluorine Chemistry</i> , 2016, 186, 101-110.	1.7	7
6	Selective synthesis of 4,5-dihydroimidazo- and imidazo[1,5-a]quinoxalines via modified Pictet-Spengler reaction. <i>Tetrahedron Letters</i> , 2013, 54, 5984-5990.	1.4	19
7	Glycolic acid-functionalized chitosan@Co <sub>3</sub> O <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> hybrid magnetic nanoparticles-based nanohybrid scaffolds for drug-delivery and tissue engineering. <i>Journal of Materials Science</i> , 2013, 48, 1524-1532.	3.7	13
8	Glycolic acid functionalized chitosan@Au@Fe <sub>3</sub> O <sub>4</sub> hybrid nanoparticle based nanohybrid scaffold for drug delivery. <i>International Journal of Biological Macromolecules</i> , 2013, 54, 244-249.	7.5	26
9	Glycolic acid-g-chitosan-gold nanoflower nanocomposite scaffolds for drug delivery and tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 878-883.	7.5	41
10	Glycolic acid-g-chitosan@Pt@Fe <sub>3</sub> O <sub>4</sub> nanoparticles nanohybrid scaffold for tissue engineering and drug delivery. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 76-82.	7.5	24
11	Thermal, mechanical, and rheological characterization of polypropylene/layered double hydroxide nanocomposites. <i>Polymer Engineering and Science</i> , 2012, 52, 2006-2014.	3.1	23
12	Hierarchical mesoporous bio-polymer/silica composites co-templated by trimethyl chitosan and a surfactant for controlled drug delivery. <i>MedChemComm</i> , 2011, 2, 1162.	3.4	30
13	Influence of reactive compatibilization on the structure and properties of PP/LDH nanocomposites. <i>Polymer International</i> , 2011, 60, 1688-1696.	3.1	18
14	Synthesis and Drug-Delivery Behavior of Chitosan-Functionalized Graphene Oxide Hybrid Nanosheets. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 131-140.	3.6	328
15	Biopolymeric Nanocomposites as Environment Benign Materials. , 2011, , 519-535.		3
16	Novel addition-fragmentation agent in cationic photopolymerization. <i>Polymer Bulletin</i> , 2010, 65, 25-34.	3.3	5
17	Enhancement of thermal stability and phase relaxation behavior of chitosan dissolved in aqueous l-lactic acid: Using silver nanoparticles as nano filler. <i>Macromolecular Research</i> , 2010, 18, 713-720.	2.4	29
18	Preparation and characterization of bioceramic nanocomposites based on hydroxyapatite (HA) and carboxymethyl cellulose (CMC). <i>Macromolecular Research</i> , 2010, 18, 1160-1167.	2.4	23

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19	Preparation and characterization of novel hybrid of bio-assisted mineralized Zn-Al layered double hydroxides using chitosan as a template. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3636-3644.	2.6	7
20	Ultrasound-triggered Release of Ibuprofen from a Chitosan-Mesoporous Silica Composite—a Novel Approach for Controlled Drug Release. <i>Macromolecular Symposia</i> , 2010, 287, 80-88.	0.7	11
21	Novel dibenzocycloheptenyl phosphonium salts as thermolatent initiator in cationic polymerization. <i>Journal of Applied Polymer Science</i> , 2009, 112, 3707-3713.	2.6	6
22	Thermally induced cationic polymerization of glycidyl phenyl ether using novel xanthenyl phosphonium salts. <i>Macromolecular Research</i> , 2009, 17, 221-226.	2.4	7
23	Novel allylic phosphonium salts in free radical accelerated cationic polymerization. <i>Polymer Bulletin</i> , 2009, 62, 271-280.	3.3	7
24	Nanoscale particles for polymer degradation and stabilization—Trends and future perspectives. <i>Progress in Polymer Science</i> , 2009, 34, 479-515.	24.7	560
25	Cell proliferation and controlled drug release studies of nanohybrids based on chitosan-g-lactic acid and montmorillonite. <i>Acta Biomaterialia</i> , 2009, 5, 93-100.	8.3	211
26	Cationic Polymerization of Epoxides using Novel Xanthenyl Phosphonium Salts as Thermo-latent Initiator. <i>Polymer Bulletin</i> , 2008, 60, 755-763.	3.3	6
27	Biocomposites of cellulose reinforced starch: Improvement of properties by photo-induced crosslinking. <i>Bioresource Technology</i> , 2008, 99, 8803-8809.	9.6	132
28	Synthesis, Characterization, and Performance Evaluation of Polymeric Hindered Amine Light Stabilizers (HALS) in EPDM. <i>E-Polymers</i> , 2007, 7, .	3.0	0
29	Novel hybrid of clay, cellulose, and thermoplastics. I. Preparation and characterization of composites of ethylene-propylene copolymer. <i>Journal of Applied Polymer Science</i> , 2007, 104, 2672-2682.	2.6	44
30	Photo-stabilization of EPDM-clay nanocomposites: effect of antioxidant on the preparation and durability. <i>Polymers for Advanced Technologies</i> , 2007, 18, 891-900.	3.2	21
31	Diphenyldiselenide As Novel Non-salt Photoinitiator for Photosensitized Cationic Polymerization of N-Vinyl Carbazole. <i>Macromolecular Symposia</i> , 2006, 240, 186-193.	0.7	11
32	Preparation and characterization of novel hybrid of chitosan-g-lactic acid and montmorillonite. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 372-382.	4.0	31
33	Degradability of composites, prepared from ethylene-propylene copolymer and jute fiber under accelerated aging and biotic environments. <i>Materials Chemistry and Physics</i> , 2005, 92, 458-469.	4.0	72
34	Durability of Natural Fiber-reinforced Composites of Ethylene-Propylene Copolymer under Accelerated Weathering and Composting Conditions. <i>Journal of Thermoplastic Composite Materials</i> , 2005, 18, 489-508.	4.2	14
35	Recent Advances in Biodegradable Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 497-526.	0.9	251
36	Synthesis, characterization, and performance evaluation of novel stabilized TDI-based polyurethane coatings under accelerated weathering. <i>Journal of Vinyl and Additive Technology</i> , 2005, 11, 13-20.	3.4	4

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37	Synthesis, Characterization and Performance Evaluation of Polymeric Hindered Amine Light Stabilizers in Styrenic Polymers. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 672-680.	2.2	15