

# Patit Kundu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173  
papers

5,250  
citations

38  
h-index

63  
g-index

181  
ext. papers

5,989  
ext. citations

5.7  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
173	Catalytic advancements in carbonaceous materials for bio-energy generation in microbial fuel cells: a review.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	4
172	Synthesis of pH-sensitive grafted psyllium: Encapsulation of quercetin for colon cancer treatment. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51552	2.9	0
171	Nanocellulose Biocomposites for Bone Tissue Engineering <b>2022</b> , 1-51		0
170	Nanocellulose Biocomposites for Bone Tissue Engineering <b>2022</b> , 597-647		
169	AgNPs Ornamented Modified Bacterial Cellulose Based Self-Healable L-B-L Assembly a Schiff Base Reaction: A Potential Wound Healing Patch.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 428-440	4.1	3
168	Performance evaluation of poly(aniline-co-pyrrole) wrapped titanium dioxide nanocomposite as an air-cathode catalyst material for microbial fuel cell. <i>Materials Science and Engineering C</i> , <b>2021</b> , 118, 111492	8.3	18
167	Composite membrane of sulfonated polybenzimidazole and sulfonated graphene oxide for potential application in microbial fuel cell. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104945	6.8	13
166	Synthesis of Co-Fe nanoparticle supported on titanium oxide-nanotubes (TiO <sub>2</sub> -NTs) as enhanced oxygen reduction reaction electrocatalyst. <i>Materials Today: Proceedings</i> , <b>2021</b> , 45, 5518-5522	1.4	1
165	Polyaniline and sulfonated graphene oxide supported bimetallic manganese cobalt oxides as an effective and non-precious cathode catalyst in air-cathode microbial fuel cells. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105992	6.8	4
164	Synthesis of Co/Ni @ Al <sub>2</sub> O <sub>3</sub> -GO as novel oxygen reduction electrocatalyst for sustainable bioelectricity production in single-chambered microbial fuel cells. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106054	6.8	9
163	Metal-free keratin modified poly(pyrrole-co-aniline)-reduced graphene oxide based nanocomposite materials: A promising cathode catalyst in microbial fuel cell application. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103813	6.8	22
162	Fabrication of calcium hydroxyapatite incorporated polyurethane-graphene oxide nanocomposite porous scaffolds from poly (ethylene terephthalate) waste: A green route toward bone tissue engineering. <i>Polymer</i> , <b>2020</b> , 195, 122436	3.9	19
161	Nanorods of cerium oxide as an improved electrocatalyst for enhanced oxygen reduction in single-chambered microbial biofuel cells. <i>Materials Research Express</i> , <b>2020</b> , 7, 015514	1.7	4
160	Sulfonated graphene oxide and titanium dioxide coated with nanostructured polyaniline nanocomposites as an efficient cathode catalyst in microbial fuel cells. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110498	8.3	27
159	TiO doped chitosan/poly (vinyl alcohol) nanocomposite film with enhanced mechanical properties for application in bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 143, 285-296	7.9	12
158	A review on the synthesis of graft copolymers of chitosan and their potential applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 2097-2112	7.9	36
157	Cloning and expression of Amylase in E. coli: genesis of a superior biocatalyst for substrate-specific MFC. <i>International Journal of Green Energy</i> , <b>2019</b> , 16, 309-316	3	7

156	Synthesize and characterization of binary grafted psyllium for removing toxic mercury (II) ions from aqueous solution. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109900	8.3	15
155	A Mussel Mimetic, Bioadhesive, Antimicrobial Patch Based on Dopamine-Modified Bacterial Cellulose/rGO/Ag NPs: A Green Approach toward Wound-Healing Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> ,	8.3	16
154	Deposition of NiNiO nanoparticles on the reduced graphene oxide filled polypyrrole: evaluation as cathode catalyst in microbial fuel cells. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 1808-1826	5.8	33
153	Stimuli-responsive polymers for oral insulin delivery <b>2019</b> , 525-546		
152	Studies on rheological, thermal, and morphological properties of methylcellulose gel in aqueous medium. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 2024-2031	2.3	3
151	The fabrication of silane modified graphene oxide supported NiCo bimetallic electrocatalysts: A catalytic system for superior oxygen reduction in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 25874-25893	6.7	28
150	TiO doped chitosan/hydroxyapatite/halloysite nanotube membranes with enhanced mechanical properties and osteoblast-like cell response for application in bone tissue engineering.. <i>RSC Advances</i> , <b>2019</b> , 9, 39768-39779	3.7	7
149	Curcumin entrapped gelatin/ionically modified bacterial cellulose based self-healable hydrogel film: An eco-friendly sustainable synthesis method of wound healing patch. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 940-953	7.9	56
148	Polyhydroxybutyrate-co-hydroxyvalerate copolymer modified graphite oxide based 3D scaffold for tissue engineering application. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 534-546	8.3	19
147	Polyurethane-incorporated chitosan/alginate core-shell nano-particles for controlled oral insulin delivery. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46365	2.9	12
146	Rheological and micro structural studies of methylcellulose solutions in N,N-dimethylformamide for preparation of extruded beads: controlled urea release. <i>Rheologica Acta</i> , <b>2018</b> , 57, 169-179	2.3	3
145	Polypyrrole-Coated Magnetite Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Containing an Anthraquinone Crown Ether Macrocycle Used for the Extraction of Cu(II) Ion from Water. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 235-239	1.9	4
144	Fabrication of cost-effective non-noble metal supported on conducting polymer composite such as copper/polypyrrole graphene oxide (Cu <sub>2</sub> O/PPyGO) as an anode catalyst for methanol oxidation in DMFC. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11505-11519	6.7	47
143	Preparation, characterization and in vivo evaluation of pH sensitive, safe quercetin-succinylated chitosan-alginate core-shell-corona nanoparticle for diabetes treatment. <i>Carbohydrate Polymers</i> , <b>2018</b> , 182, 42-51	10.3	88
142	Development of highly efficient bimetallic nanocomposite cathode catalyst, composed of Ni:Co supported sulfonated polyaniline for application in microbial fuel cells. <i>Electrochimica Acta</i> , <b>2018</b> , 282, 931-945	6.7	32
141	Nanostructured Polyaniline: An Efficient Support Matrix for Platinum-Ruthenium Anode Catalyst in Direct Methanol Fuel Cell. <i>Fuel Cells</i> , <b>2018</b> , 18, 369-378	2.9	18
140	Biodegradation of Low Density Polyethylene Films. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , <b>2018</b> , 282-318	0.4	
139	Performances of Separator and Membraneless Microbial Fuel Cell <b>2018</b> , 125-140		2

138	Biodegradation of polyethylene via complete solubilization by the action of <i>Pseudomonas fluorescens</i> , biosurfactant produced by <i>Bacillus licheniformis</i> and anionic surfactant. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 1300-1311	3.5	16
137	Organically modified clay supported chitosan/hydroxyapatite-zinc oxide nanocomposites with enhanced mechanical and biological properties for the application in bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 11-19	7.9	41
136	A sustainable production method of mycelium biomass using an isolated fungal strain <i>Phanerochaete chrysosporium</i> (accession no: KY593186): Its exploitation in wound healing patch formation. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2018</b> , 16, 548-557	4.2	7
135	Microbial, Physicochemical, and Sensory Analyses-Based Shelf Life Appraisal of White Fresh Cheese Packaged into PET Waste-Based Active Packaging Film. <i>Journal of Packaging Technology and Research</i> , <b>2018</b> , 2, 125-147	3.1	17
134	Anionic surfactant induced oxidation of low density polyethylene followed by its microbial bio-degradation. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 117, 255-268	4.8	13
133	Preparation of polyurethane- $\beta$ -glucan/chitosan core shell nanoparticles for the purpose of oral insulin delivery. <i>European Polymer Journal</i> , <b>2017</b> , 92, 294-313	5.2	42
132	Alginate coated chitosan core-shell nanoparticles for efficient oral delivery of naringenin in diabetic animals-An in vitro and in vivo approach. <i>Carbohydrate Polymers</i> , <b>2017</b> , 170, 124-132	10.3	99
131	Mechanical and biological investigations of chitosan-polyvinyl alcohol based ZrO <sub>2</sub> doped porous hybrid composites for bone tissue engineering applications. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 7524-7530	3.6	13
130	Graphite oxide incorporated crosslinked polyvinyl alcohol and sulfonated styrene nanocomposite membrane as separating barrier in single chambered microbial fuel cell. <i>Journal of Power Sources</i> , <b>2017</b> , 341, 285-293	8.9	33
129	Co/Al <sub>2</sub> O <sub>3</sub> -rGO nanocomposite as cathode electrocatalyst for superior oxygen reduction in microbial fuel cell applications: The effect of nanocomposite composition. <i>Electrochimica Acta</i> , <b>2017</b> , 254, 1-13	6.7	36
128	Modified bacterial cellulose based self-healable polyelectrolyte film for wound dressing application. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 580-590	10.3	58
127	Development of bone-like zirconium oxide nanoceramic modified chitosan based porous nanocomposites for biomedical application. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 348-356	7.9	28
126	Fabrication of porous magnetic nanocomposites for bone tissue engineering. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 190-197	3.6	9
125	Extrusion and Evaluation of Chitosan Assisted AgNPs Immobilized Film Derived from Waste Polyethylene Terephthalate for Food Packaging Applications. <i>Journal of Packaging Technology and Research</i> , <b>2017</b> , 1, 165-180	3.1	14
124	Analysis of partially sulfonated low density polyethylene (LDPE) membranes as separators in microbial fuel cells. <i>RSC Advances</i> , <b>2017</b> , 7, 21890-21900	3.7	6
123	Unitized Regenerative Fuel Cells: A Review on Developed Catalyst Systems and Bipolar Plates. <i>Fuel Cells</i> , <b>2017</b> , 17, 736-751	2.9	16
122	Synthesis of a self-healable and pH responsive hydrogel based on an ionic polymer/clay nanocomposite. <i>RSC Advances</i> , <b>2016</b> , 6, 81654-81665	3.7	24
121	Preparation of guar gum scaffold film grafted with ethylenediamine and fish scale collagen, cross-linked with ceftazidime for wound healing application. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 573-581	10.3	46

120	Oral delivery of quercetin to diabetic animals using novel pH responsive carboxypropionylated chitosan/alginate microparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 73210-73221	3.7	18
119	Aromatic $\pi$ -Conjugated Curcumin on Surface Modified Polyaniline/Polyhydroxyalkanoate Based 3D Porous Scaffolds for Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 2365-2377	5.5	24
118	Multifunctional zirconium oxide doped chitosan based hybrid nanocomposites as bone tissue engineering materials. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 879-888	10.3	38
117	Highly methanol resistant and selective ternary blend membrane composed of sulfonated PVdF-co-HFP, sulfonated polyaniline and nafion. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	18
116	Synthesis of a carboxymethylated guar gum grafted polyethyleneimine copolymer as an efficient gene delivery vehicle. <i>RSC Advances</i> , <b>2016</b> , 6, 13730-13741	3.7	14
115	Effect of electric impulse for improved energy generation in mediatorless dual chamber microbial fuel cell through electroevolution of Escherichia coli. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 796-801	11.8	20
114	Analysis of polybenzimidazole and polyvinylpyrrolidone blend membranes as separating barrier in single chambered microbial fuel cells. <i>Biochemical Engineering Journal</i> , <b>2016</b> , 111, 34-42	4.2	16
113	Development of sustainable elastomeric engineering nanocomposites from linseed oil with improved mechanical stability and thermally induced shape memory properties. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 35, 388-399	6.3	3
112	Fabrication and characterization of in situ graphene oxide reinforced high-performance shape memory polymeric nanocomposites from vegetable oil. <i>RSC Advances</i> , <b>2016</b> , 6, 27648-27658	3.7	13
111	Modified chitosan encapsulated core-shell Ag Nps for superior antimicrobial and anticancer activity. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 85, 157-67	7.9	32
110	Development of biomimetic nanocomposites as bone extracellular matrix for human osteoblastic cells. <i>Carbohydrate Polymers</i> , <b>2016</b> , 141, 82-91	10.3	15
109	Bio-degradation of polyethylene waste by simultaneous use of two bacteria: Bacillus licheniformis for production of bio-surfactant and Lysinibacillus fusiformis for bio-degradation. <i>RSC Advances</i> , <b>2016</b> , 6, 2982-2992	3.7	33
108	Effect of the presence of partially sulfonated polyaniline on the proton and methanol transport behavior of partially sulfonated PVdF membrane. <i>Polymer Journal</i> , <b>2016</b> , 48, 301-309	2.7	33
107	Electrocatalytic potential of sulfonated polypyrrole-supported Ni-Ag towards methanol oxidation in acidic medium <b>2016</b> ,		3
106	Polyaniline nanowhiskers induced low methanol permeability and high membrane selectivity in partially sulfonated PVdF-co-HFP membranes. <i>RSC Advances</i> , <b>2016</b> , 6, 107960-107969	3.7	13
105	Fabrication of laminated and coated Nafion 117 membranes for reduced mass transfer in microbial fuel cells. <i>RSC Advances</i> , <b>2016</b> , 6, 21526-21534	3.7	21
104	Sulfonated polypyrrole matrix induced enhanced efficiency of Ni nanocatalyst for application as an anode material for DMFCs. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 176, 143-151	4.4	21
103	Development of pH sensitive polyurethane- $\beta$ -glucan nanoparticles for safe and efficient oral insulin delivery in animal models. <i>RSC Advances</i> , <b>2016</b> , 6, 41835-41846	3.7	31

102	Fabrication of magnetite nanoparticle doped reduced graphene oxide grafted polyhydroxyalkanoate nanocomposites for tissue engineering application. <i>RSC Advances</i> , <b>2016</b> , 6, 46116-46133 <sup>31</sup>	3.7	35
101	A nanocomposite membrane composed of incorporated nano-alumina within sulfonated PVDF-co-HFP/Nafion blend as separating barrier in a single chambered microbial fuel cell. <i>RSC Advances</i> , <b>2016</b> , 6, 23571-23580	3.7	35
100	Effect of Polyethylene Glycol on Bis(2-hydroxyethyl) terephthalate-Based Polyurethane/Alginate pH-Sensitive Blend for Oral Protein Delivery. <i>Advances in Polymer Technology</i> , <b>2016</b> , 35,	1.9	8
99	Reduced graphene oxide paper based nanocomposite materials for flexible supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 26666-26674	3.7	33
98	Characterization and evaluation of curcumin loaded guar gum/polyhydroxyalkanoates blend films for wound healing applications. <i>RSC Advances</i> , <b>2015</b> , 5, 63489-63501	3.7	27
97	Synthesis, Preparation, and Performance of Blends and Composites of Conjugated Polymers and their Copolymers in DMFCs. <i>Polymer Reviews</i> , <b>2015</b> , 55, 630-677	14	32
96	Nickel nanocatalysts supported on sulfonated polyaniline: potential toward methanol oxidation and as anode materials for DMFCs. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11349-11357	13	74
95	Novel magnetic antimicrobial nanocomposites for bone tissue engineering applications. <i>RSC Advances</i> , <b>2015</b> , 5, 25437-25445	3.7	20
94	Coating and lamination of Nafion117 with partially sulfonated PVdF for low methanol crossover in DMFC applications. <i>Electrochimica Acta</i> , <b>2015</b> , 173, 124-130	6.7	28
93	Crosslinked inter penetrating network of sulfonated styrene and sulfonated PVdF-co-HFP as electrolytic membrane in a single chamber microbial fuel cell. <i>RSC Advances</i> , <b>2015</b> , 5, 30758-30767	3.7	26
92	Acid catalysed cross-linking of poly vinyl alcohol (PVA) by glutaraldehyde: effect of crosslink density on the characteristics of PVA membranes used in single chambered microbial fuel cells. <i>RSC Advances</i> , <b>2015</b> , 5, 83436-83447	3.7	109
91	Development of porous and antimicrobial CTS/PEG/APZnO nano-composites for bone tissue engineering. <i>RSC Advances</i> , <b>2015</b> , 5, 99385-99393	3.7	24
90	Formation of semi-IPN membrane composed of crosslinked SPS-[PVdF-co-HFP/Nafion] for application in DMFC: A fine tuning between crosslinker and initiator. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 164, 188-197	4.4	10
89	Curcumin loaded nano graphene oxide reinforced fish scale collagen 3D scaffold biomaterial for wound healing applications. <i>RSC Advances</i> , <b>2015</b> , 5, 98653-98665	3.7	46
88	Chitosan-graft-PAMAM/alginate core-shell nanoparticles: a safe and promising oral insulin carrier in an animal model. <i>RSC Advances</i> , <b>2015</b> , 5, 93995-94007	3.7	31
87	MFC with vermicompost soil: power generation with additional importance of waste management. <i>RSC Advances</i> , <b>2015</b> , 5, 41300-41306	3.7	12
86	Biotic oxidation of polyethylene using a bio-surfactant produced by <i>B. licheniformis</i> : a novel technique. <i>RSC Advances</i> , <b>2015</b> , 5, 75089-75097	3.7	6
85	Incorporation of nano-Al <sub>2</sub> O <sub>3</sub> within the blend of sulfonated-PVdF-co-HFP and Nafion for high temperature application in DMFCs. <i>RSC Advances</i> , <b>2015</b> , 5, 63465-63472	3.7	26

84	Progress in Developments of Inorganic Nanocatalysts for Application in Direct Methanol Fuel Cells. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2015</b> , 40, 316-357	10.1	22
83	A study on the heat behaviour of PEM, prepared by incorporation of crosslinked sulfonated polystyrene in the blend of PVdF-co-HFP/Nafion, for its high temperature application in DMFC. <i>Materials Today Communications</i> , <b>2015</b> , 2, e1-e8	2.5	11
82	Spectroscopic analysis and catalytic application of biopolymer capped silver nanoparticle, an effective antimicrobial agent. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	11
81	Assessment of in vivo chronic toxicity of chitosan and its derivatives used as oral insulin carriers. <i>Toxicology Research</i> , <b>2015</b> , 4, 281-290	2.6	17
80	Performance assessment of partially sulfonated PVdF-co-HFP as polymer electrolyte membranes in single chambered microbial fuel cells. <i>Applied Energy</i> , <b>2015</b> , 137, 310-321	10.7	28
79	pH-sensitive chitosan/alginate core-shell nanoparticles for efficient and safe oral insulin delivery. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 640-8	7.9	199
78	Partially sulfonated polyaniline induced high ion-exchange capacity and selectivity of Nafion membrane for application in direct methanol fuel cells. <i>Journal of Membrane Science</i> , <b>2015</b> , 473, 94-101	9.6	75
77	Reduction of methanol crossover and improved electrical efficiency in direct methanol fuel cell by the formation of a thin layer on Nafion 117 membrane: Effect of dip-coating of a blend of sulphonated PVdF-co-HFP and PBI. <i>Journal of Membrane Science</i> , <b>2015</b> , 474, 140-147	9.6	53
76	Partially Sulfonated Poly(vinylidene fluoride) Induced Enhancements of Properties and DMFC Performance of Nafion Electrolyte Membrane. <i>Fuel Cells</i> , <b>2015</b> , 15, 505-515	2.9	27
75	Spectroscopic characterization and microbial degradation of engineered bio-elastomers from linseed oil. <i>Journal of Polymer Engineering</i> , <b>2015</b> , 35, 287-301	1.4	1
74	Biofunctionalized surface-modified silver nanoparticles for gene delivery. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 5266-5276	7.3	47
73	PtRu/Al <sub>2</sub> O <sub>3</sub> nanocomposites as direct methanol fuel cell catalysts for electrooxidation of methanol in acidic medium. <i>RSC Advances</i> , <b>2015</b> , 5, 93539-93546	3.7	15
72	Potential use of curcumin loaded carboxymethylated guar gum grafted gelatin film for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 437-46	7.9	63
71	Performance evaluation of microbial fuel cells: effect of varying electrode configuration and presence of a membrane electrode assembly. <i>New Biotechnology</i> , <b>2015</b> , 32, 272-81	6.4	36
70	Enhancements of Catalyst Distribution and Functioning Upon Utilization of Conducting Polymers as Supporting Matrices in DMFCs: A Review. <i>Polymer Reviews</i> , <b>2015</b> , 55, 1-56	14	66
69	Membrane prepared by incorporation of crosslinked sulfonated polystyrene in the blend of PVdF-co-HFP/Nafion: A preliminary evaluation for application in DMFC. <i>Applied Energy</i> , <b>2014</b> , 123, 66-74	10.7	64
68	Polymer electrolyte membrane with high selectivity ratio for direct methanol fuel cells: A preliminary study based on blends of partially sulfonated polymers polyaniline and PVdF-co-HFP. <i>Applied Energy</i> , <b>2014</b> , 118, 183-191	10.7	79
67	A Review on Aromatic Conducting Polymers-Based Catalyst Supporting Matrices for Application in Microbial Fuel Cells. <i>Polymer Reviews</i> , <b>2014</b> , 54, 401-435	14	64

66	Utilization of Conducting Polymers in Fabricating Polymer Electrolyte Membranes for Application in Direct Methanol Fuel Cells. <i>Polymer Reviews</i> , <b>2014</b> , 54, 1-32	14	64
65	Multicomponent Fabrication of Bone-Like Composite Materials Using Chitosan/PMMA-co-PHEMA/Nano-Hydroxyapatite. <i>Advances in Polymer Technology</i> , <b>2014</b> , 33,	1.9	5
64	Comparative analysis of different properties of polyhydroxyalkanoates isolated from two different bacterial strains: <i>Alkaliphilus oremlandii</i> OhLAs and recombinant <i>Escherichia coli</i> XL1B. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	7
63	Microbial degradation of linseed oil-based elastomer and subsequent accumulation of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) copolymer. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 1613-1630	3.2	15
62	Efficient oral insulin delivery by dendronized chitosan: in vitro and in vivo studies. <i>RSC Advances</i> , <b>2014</b> , 4, 43890-43902	3.7	24
61	pH sensitive N-succinyl chitosan grafted polyacrylamide hydrogel for oral insulin delivery. <i>Carbohydrate Polymers</i> , <b>2014</b> , 112, 627-37	10.3	149
60	An overview of unsolved deficiencies of direct methanol fuel cell technology: factors and parameters affecting its widespread use. <i>International Journal of Energy Research</i> , <b>2014</b> , 38, 1367-1390	4.5	83
59	Low methanol permeable and highly selective membranes composed of pure and/or partially sulfonated PVdF-co-HFP and polyaniline. <i>Journal of Membrane Science</i> , <b>2014</b> , 468, 42-51	9.6	44
58	Alkaline fungal degradation of oxidized polyethylene in black liquor: Studies on the effect of lignin peroxidases and manganese peroxidases. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	20
57	Viper and cobra venom neutralization by alginate coated multicomponent polyvalent antivenom administered by the oral route. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3039	4.8	11
56	Engineered elastomeric bio-nanocomposites from linseed oil/organoclay tailored for vibration damping. <i>RSC Advances</i> , <b>2014</b> , 4, 59265-59274	3.7	18
55	Epoxidized Esters of Palm Kernel Oil as an Effective Plasticizer for PVC: A Study of Mechanical Properties and Effect of Processing Conditions. <i>International Polymer Processing</i> , <b>2014</b> , 29, 495-506	1	8
54	Synthesis of a novel pH-sensitive polyurethane/alginate blend with poly(ethylene terephthalate) waste for the oral delivery of protein. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	15
53	Enhanced performance of direct methanol fuel cells: a study on the combined effect of various supporting electrolytes, flow channel designs and operating temperatures. <i>International Journal of Energy Research</i> , <b>2014</b> , 38, 41-50	4.5	47
52	Partial sulfonation of PVdF-co-HFP: A preliminary study and characterization for application in direct methanol fuel cell. <i>Applied Energy</i> , <b>2014</b> , 113, 169-177	10.7	99
51	Carboxymethyl Chitosan Modified Montmorillonite for Efficient Removal of Cationic Dye from Waste Water. <i>Defence Science Journal</i> , <b>2014</b> , 64, 198-208	1.4	13
50	Synthesis and characterization of saturated polyester and nanocomposites derived from glycolized PET waste with varied compositions. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 277-286	1.7	5
49	Characterization and in vitro and in vivo evaluation of cross-linked chitosan films as implant for controlled release of citalopram. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 175-182	1.7	3



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41	Interaction between oxidized polyaniline and oppositely charged amphiphilic assemblies in an aqueous/organic biphasic system. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 407, 516-23	9.3	18
40	PAMAM conjugated chitosan through naphthalimide moiety for enhanced gene transfection efficiency. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 495-504	10.3	20
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34	Vibration damping characterization of linseed oil-based elastomers for its effectiveness to attenuate structural vibration. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3611-3623	2.9	9
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32	Preparation of low molecular weight N-maleated chitosan-graft-PAMAM copolymer for enhanced DNA complexation. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 859-67	7.9	41
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20	DSC studies on the curing kinetics of chitosan/alanine using glutaraldehyde as crosslinker. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2009</b> , 98, 469-476	4.1	7
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17	Synthetic polymeric vectors in gene therapy. <i>Current Opinion in Solid State and Materials Science</i> , <b>2008</b> , 12, 89-102	12	44
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