

Dipak Rana

List of Publications by Year in descending order

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164
papers

8,179
citations

31902

53
h-index

64668

79
g-index

168
all docs

168
docs citations

168
times ranked

8714
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of MOF-199 in improvement of permeation, morphological, antifouling and antibacterial characteristics of polyvinylidene fluoride membranes. <i>New Journal of Chemistry</i> , 2022, 46, 7638-7649.	1.4	7
2	Examination of the bubble gas transport method to estimate the membrane pore size distribution. <i>Desalination</i> , 2022, 531, 115714.	4.0	12
3	Electrochemical sensing of serotonin by silver decorated polypyrrole nanoribbon based electrode synthesized by sodium cholate as soft template. <i>Materials Today Communications</i> , 2022, 31, 103361.	0.9	4
4	Versatility of sulfonated poly (vinylidene fluoride-co-hexafluoropropylene) membranes incorporated with sulfonated octaphenyl polyhedral oligomeric silsesquioxane for vanadium redox flow battery applications. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	5
5	Cellulose acetate ultrafiltration membranes customized with copper oxide nanoparticles for efficient separation with antifouling behavior. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49867.	1.3	22
6	Design of an efficient and selective adsorbent of cationic dye through activated carbon - graphene oxide nanocomposite: Study on mechanism and synergy. <i>Materials Chemistry and Physics</i> , 2021, 260, 124090.	2.0	21
7	Chemical precipitation enabled UF and MF filtration for lead removal. <i>Journal of Water Process Engineering</i> , 2021, 41, 101987.	2.6	45
8	Highly selective custom-made chitosan based membranes with reduced fuel permeability for direct methanol fuel cells. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51366.	1.3	3
9	Pore wetting in membrane distillation: A comprehensive review. <i>Progress in Materials Science</i> , 2021, 122, 100843.	16.0	92
10	A reverse approach to evaluate membrane pore size distribution by the bubble gas transport method using fewer experimental data points. <i>Desalination</i> , 2021, 518, 115287.	4.0	3
11	Highly permeable, antifouling and antibacterial poly(ether imide) membranes tailored with poly(hexamethylenebiguanide) coated copper oxide nanoparticles. <i>Materials Chemistry and Physics</i> , 2020, 240, 122224.	2.0	36
12	Structural, mechanical, and gas barrier properties of poly(ethylene terephthalate) nanohybrid using nanotalc. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48607.	1.3	19
13	Potency of nanolay on structural, mechanical and gas barrier properties of poly(ethylene Tj ETQq1 1 0.784314 r gBT /Overlock 10 Tf 5	1.2	12
14	Selective sensing of dopamine by sodium cholate tailored polypyrrole-silver nanocomposite. <i>Synthetic Metals</i> , 2020, 260, 116296.	2.1	25
15	CFD-based genetic programming model for liquid entry pressure estimation of hydrophobic membranes. <i>Desalination</i> , 2020, 476, 114231.	4.0	25
16	Investigating the efficacy of PVDF membranes customized with sulfonated graphene oxide nanosheets for enhanced permeability and antifouling. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104426.	3.3	17
17	Versatility of hydrophilic and antifouling PVDF ultrafiltration membranes tailored with polyhexanide coated copper oxide nanoparticles. <i>Polymer Testing</i> , 2020, 84, 106367.	2.3	35
18	The gamut of perspectives, challenges, and recent trends for <i>in situ</i> hydrogels: a smart ophthalmic drug delivery vehicle. <i>Biomaterials Science</i> , 2020, 8, 4665-4691.	2.6	15

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19	Sulfonated poly (vinylidene fluoride-co-hexafluoropropylene) nanocomposite membranes with high selectivity, stability, and vanadium ion barrier for vanadium redox flow batteries. <i>Polymers for Advanced Technologies</i> , 2020, 31, 3341-3350.	1.6	6
20	Effect of tamarind seed polysaccharide on thermogelation property and drug release profile of poloxamer 407-based ophthalmic formulation. <i>New Journal of Chemistry</i> , 2020, 44, 15708-15715.	1.4	5
21	Investigation of the versatility of SPES membranes customized with sulfonated molybdenum disulfide nanosheets for DMFC applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15507-15520.	3.8	16
22	Custom-made sulfonated poly (vinylidene fluoride-co-hexafluoropropylene) nanocomposite membranes for vanadium redox flow battery applications. <i>Polymer Testing</i> , 2020, 90, 106685.	2.3	11
23	Transport characteristics of liquid-gas interface in a capillary membrane pore. <i>Journal of Membrane Science</i> , 2020, 611, 118387.	4.1	22
24	Synthesis of RGO/NiO nanocomposites adopting a green approach and its photocatalytic and antibacterial properties. <i>Materials Chemistry and Physics</i> , 2020, 247, 122906.	2.0	45
25	Na-cholate micelle mediated synthesis of polypyrrole nanoribbons for ethanol sensing. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104249.	3.3	10
26	Optimization of nanocomposite membrane for vacuum membrane distillation (VMD) using static and continuous flow cells: Effect of nanoparticles and film thickness. <i>Separation and Purification Technology</i> , 2020, 241, 116685.	3.9	29
27	Synthesis of sodium cholate mediated rod-like polypyrrole-silver nanocomposite for selective sensing of acetone vapor. <i>Nano Structures Nano Objects</i> , 2020, 21, 100419.	1.9	16
28	Triple-Layered Nanofibrous Metal-Organic Framework-Based Membranes for Desalination by Direct Contact Membrane Distillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6601-6610.	3.2	40
29	Chemically reduced graphene oxide (CRGO) from waste batteries and morphological assessment of CRGO/methyl cellulose transdermal film. <i>Nano Structures Nano Objects</i> , 2020, 22, 100454.	1.9	6
30	Green approaches to synthesize reduced graphene oxide and assessment of its electrical properties. <i>Nano Structures Nano Objects</i> , 2019, 19, 100362.	1.9	17
31	Improvement in mechanical and structural properties of poly(ethylene terephthalate) nanohybrid. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	11
32	Sulfonated poly (ether sulfone) composite membranes customized with polydopamine coated molybdenum disulfide nanosheets for renewable energy devices. <i>Polymer</i> , 2019, 175, 255-264.	1.8	11
33	The performance of polyvinylidene fluoride - polytetrafluoroethylene nanocomposite distillation membranes: An experimental and numerical study. <i>Separation and Purification Technology</i> , 2019, 226, 192-208.	3.9	30
34	Effects of operating parameters and coexisting ions on the efficiency of heavy metal ions removal by nano-fibrous metal-organic framework membrane filtration process. <i>Science of the Total Environment</i> , 2019, 674, 355-362.	3.9	192
35	Polythiophenes: An emerging class of promising water purifying materials. <i>European Polymer Journal</i> , 2019, 116, 370-385.	2.6	23
36	Cellulose acetate nanocomposite ultrafiltration membranes tailored with hydrous manganese dioxide nanoparticles for water treatment applications. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1943-1950.	1.6	27

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37	Polydopamine layered poly (ether imide) ultrafiltration membranes tailored with silver nanoparticles designed for better permeability, selectivity and antifouling. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 141-149.	2.9	53
38	Tailored polymer nanocomposite membranes based on carbon, metal oxide and silicon nanomaterials: a review. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8723-8745.	5.2	112
39	Nano CuO/g-C ₃ N ₄ sheets-based ultrafiltration membrane with enhanced interfacial affinity, antifouling and protein separation performances for water treatment application. <i>Journal of Environmental Sciences</i> , 2019, 82, 57-69.	3.2	106
40	Green synthesis of cadmium oxide decorated reduced graphene oxide nanocomposites and its electrical and antibacterial properties. <i>Materials Science and Engineering C</i> , 2019, 99, 696-709.	3.8	62
41	Carbon Nanomaterials in Renewable Energy Production and Storage Applications. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 51-104.	0.3	14
42	Cellulose acetate ultrafiltration membranes customized with bio-inspired polydopamine coating and <i>in situ</i> immobilization of silver nanoparticles. <i>New Journal of Chemistry</i> , 2019, 43, 4216-4225.	1.4	31
43	Effects of multi-walled carbon nanotubes (MWCNTs) and integrated MWCNTs/SiO ₂ nano-additives on PVDF polymeric membranes for vacuum membrane distillation. <i>Separation and Purification Technology</i> , 2019, 217, 154-163.	3.9	60
44	Mechanical and wear behaviour of poly(vinylidene fluoride)/clay nanocomposite. <i>Journal of Materials Research and Technology</i> , 2019, 8, 5874-5881.	2.6	25
45	PFOM fillers embedded PVDF/cellulose dual-layered membranes with hydrophobic/hydrophilic channels for desalination <i>via</i> direct contact membrane distillation process. <i>RSC Advances</i> , 2019, 9, 41462-41474.	1.7	12
46	Sulfonated poly(phenylene ether ether sulfone) membrane tailored with layered clay self-assembly of poly(diallyldimethylammonium chloride) and phosphotungstic acid for DMFC applications. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47344.	1.3	12
47	Modeling of pore wetting in vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2019, 572, 332-342.	4.1	33
48	Using renewable n-octanol in a non-road diesel engine with some modifications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 1194-1208.	1.2	58
49	Investigating the usefulness of chitosan based proton exchange membranes tailored with exfoliated molybdenum disulfide nanosheets for clean energy applications. <i>Carbohydrate Polymers</i> , 2019, 208, 504-512.	5.1	44
50	The rubber-filler interaction and reinforcement in styrene butadiene rubber/devulcanize natural rubber composites with silica-graphene oxide. <i>Polymer Composites</i> , 2019, 40, E1559.	2.3	29
51	Customized antifouling polyacrylonitrile ultrafiltration membranes for effective removal of organic contaminants from aqueous stream. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 859-868.	1.6	29
52	Studies on green synthesized silver nanoparticles using <i>Abelmoschus esculentus</i> (L.) pulp extract having anticancer (in vitro) and antimicrobial applications. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2572-2584.	2.3	98
53	Prediction of emissions and performance of a diesel engine fueled with n-octanol/diesel blends using response surface methodology. <i>Journal of Cleaner Production</i> , 2018, 184, 423-439.	4.6	110
54	Metal-Organic Frameworks Supported on Nanofiber for Desalination by Direct Contact Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11251-11260.	4.0	96

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55	Metal-organic frameworks supported on nanofibers to remove heavy metals. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4550-4555.	5.2	261
56	Development of active packaging material based on cellulose acetate butyrate/polyethylene glycol/aryl ammonium cation modified clay. <i>Carbohydrate Polymers</i> , 2018, 187, 8-18.	5.1	24
57	Synthesis of methylcellulose/cellulose nano-crystals nanocomposites: Material properties and study of sustained release of ketorolac tromethamine. <i>Carbohydrate Polymers</i> , 2018, 188, 168-180.	5.1	40
58	Tailored SPVdF-co-HFP/SGO nanocomposite proton exchange membranes for direct methanol fuel cells. <i>Polymer</i> , 2018, 140, 22-32.	1.8	54
59	Bio-derived cellulose nanofibril reinforced poly(N-isopropylacrylamide)-g-guar gum nanocomposite: An avant-garde biomaterial as a transdermal membrane. <i>Polymer</i> , 2018, 135, 85-102.	1.8	41
60	Jute cellulose nano-fibrils/hydroxypropylmethylcellulose nanocomposite: A novel material with potential for application in packaging and transdermal drug delivery system. <i>Industrial Crops and Products</i> , 2018, 112, 633-643.	2.5	91
61	Tailoring the Efficacy of Multifunctional Biopolymeric Graphene Oxide Quantum Dot-Based Nanomaterial as Nanocargo in Cancer Therapeutic Application. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 514-531.	2.6	43
62	Engineered Cellular Uptake and Controlled Drug Delivery Using Two Dimensional Nanoparticle and Polymer for Cancer Treatment. <i>Molecular Pharmaceutics</i> , 2018, 15, 679-694.	2.3	49
63	Biodegradable toughened nanohybrid shape memory polymer for smart biomedical applications. <i>Nanoscale</i> , 2018, 10, 9917-9934.	2.8	79
64	Synergic effects of hydrophilic and hydrophobic nanoparticles on performance of nanocomposite distillation membranes: An experimental and numerical study. <i>Separation and Purification Technology</i> , 2018, 202, 45-58.	3.9	35
65	Custom-made PEI/exfoliated-MoS ₂ nanocomposite ultrafiltration membranes for separation of bovine serum albumin and humic acid. <i>Materials Science and Engineering C</i> , 2018, 83, 108-114.	3.8	44
66	Fabrication of novel aromatic amine functionalized nanofiltration (NF) membranes and testing its dye removal and desalting ability. <i>Polymer Testing</i> , 2018, 72, 1-10.	2.3	28
67	Biosurfactant tailored synthesis of porous polypyrrole nanostructures: A facile approach towards CO ₂ adsorption and dopamine sensing. <i>Synthetic Metals</i> , 2018, 245, 209-222.	2.1	21
68	Sulfonated poly (ether sulfone)/poly (vinyl alcohol) blend membranes customized with tungsten disulfide nanosheets for DMFC applications. <i>Polymer</i> , 2018, 155, 42-49.	1.8	36
69	Custom-made sulfonated poly (ether sulfone) nanocomposite proton exchange membranes using exfoliated molybdenum disulfide nanosheets for DMFC applications. <i>Polymer</i> , 2018, 147, 48-55.	1.8	51
70	Development of an auto-phase separable and reusable graphene oxide-potato starch based cross-linked bio-composite adsorbent for removal of methylene blue dye. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1037-1048.	3.6	43
71	Insight Studies on Metal-Organic Framework Nanofibrous Membrane Adsorption and Activation for Heavy Metal Ions Removal from Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18619-18629.	4.0	347
72	Experiment and modeling for flux and permeate concentration of heavy metal ion in adsorptive membrane filtration using a metal-organic framework incorporated nanofibrous membrane. <i>Chemical Engineering Journal</i> , 2018, 352, 737-744.	6.6	151

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73	Polymer Electrolyte Membranes for Microbial Fuel Cells: A Review. <i>Polymer Reviews</i> , 2018, 58, 610-629.	5.3	37
74	Fabrication of anti-fouling PVDF nanocomposite membranes using manganese dioxide nanospheres with tailored morphology, hydrophilicity and permeation. <i>New Journal of Chemistry</i> , 2018, 42, 15803-15810.	1.4	36
75	A facile comparative approach towards utilization of waste cotton lint for the synthesis of nano-crystalline cellulose crystals along with acid recovery. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 1246-1252.	3.6	39
76	Studies of the kinetics and mechanism of the removal process of proflavine dye through adsorption by graphene oxide. <i>Journal of Molecular Liquids</i> , 2017, 230, 696-704.	2.3	47
77	Effect of gellan gum on the thermogelation property and drug release profile of Poloxamer 407 based ophthalmic formulation. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 258-265.	3.6	62
78	Novel shape memory behaviour in IPDI based polyurethanes: Influence of nanoparticle. <i>Polymer</i> , 2017, 110, 95-104.	1.8	26
79	Tailored PVDF nanocomposite membranes using exfoliated MoS ₂ nanosheets for improved permeation and antifouling performance. <i>New Journal of Chemistry</i> , 2017, 41, 14315-14324.	1.4	44
80	An ex situ approach to fabricating nanosilica reinforced polyacrylamide grafted guar gum nanocomposites as an efficient biomaterial for transdermal drug delivery application. <i>New Journal of Chemistry</i> , 2017, 41, 9461-9471.	1.4	35
81	Cellulose nanofibrils/chitosan based transdermal drug delivery vehicle for controlled release of ketorolac tromethamine. <i>New Journal of Chemistry</i> , 2017, 41, 15312-15319.	1.4	64
82	Effect of nanoparticle on the mechanical and gas barrier properties of thermoplastic polyurethane. <i>Applied Clay Science</i> , 2017, 146, 468-474.	2.6	28
83	Studies on carboxylated graphene oxide incorporated polyetherimide mixed matrix ultrafiltration membranes. <i>Materials Chemistry and Physics</i> , 2017, 186, 146-158.	2.0	41
84	Zero thermal input membrane distillation, a zero-waste and sustainable solution for freshwater shortage. <i>Applied Energy</i> , 2017, 187, 910-928.	5.1	35
85	Reversible Bidirectional Shape Memory Effect in Polyurethanes through Molecular Flipping. <i>Macromolecules</i> , 2016, 49, 4889-4897.	2.2	67
86	Functionalized MWCNTs in improving the performance and biocompatibility of potential hemodialysis membranes. <i>RSC Advances</i> , 2016, 6, 63156-63170.	1.7	18
87	The heat and mass transfer of vacuum membrane distillation: Effect of active layer morphology with and without support material. <i>Separation and Purification Technology</i> , 2016, 164, 56-62.	3.9	36
88	Separation of oil/water emulsions using nano MgO anchored hybrid ultrafiltration membranes for environmental abatement. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	33
89	Cross-linked methyl cellulose/graphene oxide rate controlling membranes for in vitro and ex vivo permeation studies of diltiazem hydrochloride. <i>RSC Advances</i> , 2016, 6, 36136-36145.	1.7	22
90	Physical and electrical characterization of reduced graphene oxide synthesized adopting green route. <i>Bulletin of Materials Science</i> , 2016, 39, 543-550.	0.8	26

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91	Nanocomposite films based on cellulose acetate/polyethylene glycol/modified montmorillonite as nontoxic active packaging material. RSC Advances, 2016, 6, 92569-92578.	1.7	36
92	Effects of Polymer Ratio and Film-Penetration Time on the Properties and Performance of Nanocomposite PVDF Membranes in Membrane Distillation. Industrial & Engineering Chemistry Research, 2016, 55, 9971-9982.	1.8	7
93	Superior biomaterials using diamine modified graphene grafted polyurethane. Polymer, 2016, 106, 109-119.	1.8	34
94	In situ fluorescence of lac dye stabilized gold nanoparticles; DNA binding assay and toxicity study. New Journal of Chemistry, 2016, 40, 7121-7131.	1.4	19
95	Graphene as a chain extender of polyurethanes for biomedical applications. RSC Advances, 2016, 6, 58628-58640.	1.7	27
96	Development of Membrane-Based Desiccant Fiber for Vacuum Desiccant Cooling. ACS Applied Materials & Interfaces, 2016, 8, 15778-15787.	4.0	10
97	Synthesis and characterization of graphene from waste dry cell battery for electronic applications. RSC Advances, 2016, 6, 10557-10564.	1.7	69
98	Green one step morphosynthesis of silver nanoparticles and their antibacterial and anticancerous activities. New Journal of Chemistry, 2016, 40, 2749-2762.	1.4	31
99	Layered double hydroxides as effective carrier for anticancer drugs and tailoring of release rate through interlayer anions. Journal of Controlled Release, 2016, 224, 186-198.	4.8	121
100	Effects of hydrophilic silica nanoparticles and backing material in improving the structure and performance of VMD PVDF membranes. Separation and Purification Technology, 2016, 157, 60-71.	3.9	55
101	Studies on synthesis of reduced graphene oxide (RGO) via green route and its electrical property. Materials Research Bulletin, 2016, 79, 41-51.	2.7	101
102	Microstructure of polyacrylonitrile-based activated carbon fibers prepared from solvent-free coagulation process. Journal of Applied Research and Technology, 2016, 14, 54-61.	0.6	25
103	Nanoclay and swift heavy ions induced piezoelectric and conducting nanochannel based polymeric membrane for fuel cell. Journal of Power Sources, 2016, 301, 338-347.	4.0	20
104	Enhanced performance of PVDF nanocomposite membrane by nanofiber coating: A membrane for sustainable desalination through MD. Water Research, 2016, 89, 39-49.	5.3	94
105	Effects of Inorganic Nano-Additives on Properties and Performance of Polymeric Membranes in Water Treatment. Separation and Purification Reviews, 2016, 45, 141-167.	2.8	78
106	Studies on methylcellulose/pectin/montmorillonite nanocomposite films and their application possibilities. Carbohydrate Polymers, 2016, 136, 1218-1227.	5.1	89
107	Performances of poly(vinylidene fluoride-co-hexafluoropropylene) ultrafiltration membranes modified with poly(vinyl pyrrolidone). Polymer Engineering and Science, 2015, 55, 2482-2492.	1.5	13
108	Study on structure and vacuum membrane distillation performance of PVDF membranes: II. Influence of molecular weight. Chemical Engineering Journal, 2015, 276, 174-184.	6.6	59

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109	Effects of hydrophilic CuO nanoparticles on properties and performance of PVDF VMD membranes. <i>Desalination</i> , 2015, 369, 75-84.	4.0	83
110	Development of solid super desiccants based on a polymeric superabsorbent hydrogel composite. <i>RSC Advances</i> , 2015, 5, 59583-59590.	1.7	36
111	Enhancements of Catalyst Distribution and Functioning Upon Utilization of Conducting Polymers as Supporting Matrices in DMFCs: A Review. <i>Polymer Reviews</i> , 2015, 55, 1-56.	5.3	74
112	Physical and electrochemical characterization of reduced graphene oxide/silver nanocomposites synthesized by adopting a green approach. <i>RSC Advances</i> , 2015, 5, 25357-25364.	1.7	63
113	Functionalized poly(vinylidene fluoride) nanohybrid for superior fuel cell membrane. <i>Journal of Membrane Science</i> , 2015, 481, 124-136.	4.1	39
114	Graphene Oxide Nanocomposite Incorporated Poly(ether imide) Mixed Matrix Membranes for in Vitro Evaluation of Its Efficacy in Blood Purification Applications. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7899-7913.	1.8	38
115	Dextrin-mediated synthesis of Ag NPs for colorimetric assays of Cu ²⁺ ion and Au NPs for catalytic activity. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 309-316.	3.6	31
116	Effects of superhydrophobic SiO ₂ nanoparticles on the performance of PVDF flat sheet membranes for vacuum membrane distillation. <i>Desalination</i> , 2015, 373, 47-57.	4.0	157
117	Influence of graphene on self-assembly of polyurethane and evaluation of its biomedical properties. <i>Polymer</i> , 2015, 65, 183-192.	1.8	35
118	Investigation on Sodium Benzoate Release from Poly(Butylene Terephthalate) Nanocomposites with Antimicrobial Activity. <i>Journal of Food Science</i> , 2015, 80, E602-9.	1.5	35
119	A poly(vinylidene fluoride-co-hexafluoro propylene) nanohybrid membrane using swift heavy ion irradiation for fuel cell applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10413-10424.	5.2	27
120	Effect of carrageenan and potassium chloride on an in situ gelling ophthalmic drug delivery system based on methylcellulose. <i>RSC Advances</i> , 2015, 5, 60386-60391.	1.7	24
121	Effect of methyl cellulose on gelation behavior and drug release from poloxamer based ophthalmic formulations. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 706-710.	3.6	53
122	Study on the structure and vacuum membrane distillation performance of PVDF composite membranes: I. Influence of blending. <i>Separation and Purification Technology</i> , 2014, 133, 303-312.	3.9	56
123	Nonlinear Viscoelasticity of One Dimensional Filler Reinforced Elastomer Composites. <i>Advances in Polymer Science</i> , 2014, , 15-41.	0.4	8
124	Assessment of morphology and property of graphene oxide-hydroxypropylmethylcellulose nanocomposite films. <i>International Journal of Biological Macromolecules</i> , 2014, 66, 338-345.	3.6	31
125	Antibacterial activity of Ag-Au alloy NPs and chemical sensor property of Au NPs synthesized by dextran. <i>Carbohydrate Polymers</i> , 2014, 107, 151-157.	5.1	57
126	In situ synthesis of a reduced graphene oxide/cuprous oxide nanocomposite: a reusable catalyst. <i>RSC Advances</i> , 2014, 4, 52044-52052.	1.7	57

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127	Anticancer (in vitro) and antimicrobial effect of gold nanoparticles synthesized using <i>Abelmoschus esculentus</i> (L.) pulp extract via a green route. <i>RSC Advances</i> , 2014, 4, 37838.	1.7	111
128	Development of novel charged surface modifying macromolecule blended PES membranes to remove EDCs and PPCPs from drinking water sources. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10059-10072.	5.2	129
129	Criteria for the selection of a support material to fabricate coated membranes for a life support device. <i>RSC Advances</i> , 2014, 4, 38711-38717.	1.7	30
130	Ploxamer and gelatin gel guided polyaniline nanofibers: synthesis and characterization. <i>Polymer International</i> , 2014, 63, 1505-1512.	1.6	17
131	Green synthesis of silver nanoparticles-based nanofluids and investigation of their antimicrobial activities. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 541-551.	1.0	39
132	Review: the characterization of electrospun nanofibrous liquid filtration membranes. <i>Journal of Materials Science</i> , 2014, 49, 6143-6159.	1.7	85
133	Preparation of ZnIn ₂ S ₄ /K ₂ La ₂ Ti ₃ O ₁₀ composites and their photocatalytic H ₂ evolution from aqueous Na ₂ S/Na ₂ SO ₃ under visible light irradiation. <i>Catalysis Communications</i> , 2014, 48, 55-59.	1.6	71
134	Taro corms mucilage/HPMC based transdermal patch: An efficient device for delivery of diltiazem hydrochloride. <i>International Journal of Biological Macromolecules</i> , 2014, 66, 158-165.	3.6	56
135	Antimicrobial activity and biodegradation behavior of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 Td (adipateâ€	1.3	57
136	Pharmaceutical and personal care products removal from drinking water by modified cellulose acetate membrane: Field testing. <i>Chemical Engineering Journal</i> , 2013, 225, 848-856.	6.6	54
137	Effect of clay concentration on morphology and properties of hydroxypropylmethylcellulose films. <i>Carbohydrate Polymers</i> , 2013, 96, 57-63.	5.1	46
138	Effect of poly(vinyl pyrrolidone) on the morphology and physical properties of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (International, 2013, 23, 579-587.	1.8	121
139	Development of plasma and/or chemically induced graft co-polymerized electrospun poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Over	3.9	24
140	Effect of PEGâ€“salt mixture on the gelation temperature and morphology of MC gel for sustained delivery of drug. <i>Carbohydrate Polymers</i> , 2013, 91, 529-536.	5.1	30
141	Effect of xanthan gum and guar gum on in situ gelling ophthalmic drug delivery system based on poloxamer-407. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 117-123.	3.6	96
142	<i>In situ</i> fabrication of polyanilineâ€“silver nanocomposites using soft template of sodium alginate. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3551-3557.	1.3	18
143	Enhanced visible-light-responsive photocatalytic property of PbS-sensitized K ₄ Nb ₆ O ₁₇ nanocomposite photocatalysts. <i>Applied Surface Science</i> , 2013, 276, 823-831.	3.1	60
144	Dielectric relaxation in polyvinyl alcoholâ€“polypyrroleâ€“multiwall carbon nanotube composites below room temperature. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 025005.	0.7	37

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