Suresh K Jewrajka

List of Publications by Year
in descending order

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69 papers	2,212 citations	147801 31 h-index	243625 44 g-index
73 all docs	73 docs citations	73 times ranked	2460 citing authors

#	Article	IF	Citations
1	Multipurpose tight ultrafiltration membrane through controlled layer-by-layer assembly for low pressure molecular separation. Journal of Membrane Science, 2022, 641, 119908.	8.2	16
2	Influence of the formed interface during preparation of poly(vinylidene fluoride) blend cation exchange membrane on the electro-chemical properties and performance. Desalination, 2022, 531, 115682.	8.2	15
3	In situ PEGylation of polyamide network of thin film composite membrane by inter-polymer H-bond complex formation. Journal of Membrane Science, 2022, 656, 120640.	8.2	4
4	Structural Regulation at Poly(ethylene glycol) Termini Facilitates the Formation of Injectable Hydrogels with Modulated Degradation and Release of Biomacromolecules. ACS Applied Polymer Materials, 2022, 4, 5532-5545.	4.4	4
5	Poly(vinylidene fluoride)/partially alkylated poly(vinyl imidazole) interpolymer ultrafiltration membranes with intrinsic anti-biofouling and antifouling property for the removal of bacteria. Journal of Hazardous Materials, 2022, 438, 129538.	12.4	4
6	Modulation of Properties through Covalent Bond Induced Formation of Strong Ion Pairing between Polyelectrolytes in Injectable Conetwork Hydrogels. ACS Applied Bio Materials, 2021, 4, 3374-3387.	4.6	6
7	Selective grafting of morphologically modified poly(vinylidene fluoride) ultrafiltration membrane by poly(acrylic acid) for inducing antifouling property. Applied Surface Science, 2021, 544, 148905.	6.1	25
8	In situ amphiphilic modification of thin film composite membrane for application in aqueous and organic solvents. Journal of Membrane Science, 2021, 626, 119155.	8.2	17
9	Surface segregation of segmented amphiphilic copolymer of poly(dimethylsiloxane) and poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over and Purification Technology, 2020, 232, 115940.	7.9	42
10	PEGylated gold nanoparticles promoted rapid macromolecular chain-end transformation and formation of injectable hydrogels. Journal of Materials Chemistry B, 2020, 8, 465-477.	5.8	6
11	Protonation-induced pH increase at the triblock copolymer micelle interface for transient membrane permeability at neutral pH. Soft Matter, 2020, 16, 798-809.	2.7	2
12	Library of Derivatizable Multiblock Copolymers by Nucleophilic Substitution Polymerization and Targeting Specific Properties. Biomacromolecules, 2020, 21, 5029-5043.	5.4	5
13	Gold Nanoparticle Promoted Formation and Biological Properties of Injectable Hydrogels. Biomacromolecules, 2020, 21, 3782-3794.	5.4	36
14	Crosslinked terpolymer anion exchange membranes for selective ion separation and acid recovery. Journal of Membrane Science, 2020, 612, 118459.	8.2	49
15	CHAPTER 3. Designing Multi-component Biodegradable/Biocompatible Amphiphilic Polymer Co-networks for Biomedical Applications. RSC Polymer Chemistry Series, 2020, , 47-76.	0.2	4
16	Homogeneous phase crosslinked poly(acrylonitrile-co-2-acrylamido-2-methyl-1-propanesulfonic acid) conetwork cation exchange membranes showing high electrochemical properties and electrodialysis performance. Polymer, 2019, 180, 121680.	3.8	36
17	Stability and acidic pH-mediated leakage of guest molecules from self-assembly of poly(amidoamine)-graft-alkyl copolymers. Polymer, 2019, 183, 121894.	3.8	4
18	Fouling resistant amphiphilic poly(dimethylsiloxane)-linked-poly(ethylene glycol) network on ultrafiltration poly(vinylidene fluoride) membrane and effect of spatial chain arrangement on separation of oil-water emulsions. Journal of Membrane Science, 2019, 583, 278-291.	8.2	31

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19	Self-Assembly of Partially Alkylated Dextran-graft-poly[(2-dimethylamino)ethyl methacrylate] Copolymer Facilitating Hydrophobic/Hydrophilic Drug Delivery and Improving Conetwork Hydrogel Properties. Biomacromolecules, 2018, 19, 1142-1153.	5.4	68
20	Anti-organic fouling and anti-biofouling poly(piperazineamide) thin film nanocomposite membranes for low pressure removal of heavy metal ions. Journal of Hazardous Materials, 2018, 343, 86-97.	12.4	90
21	Liquid Prepolymer-Based in Situ Formation of Degradable Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 672 Td (glycol Amphiphilic Conetwork Gels Showing Polarity Driven Gelation and Bioadhesion. ACS Applied Bio Materials, 2018, 1, 1606-1619.	4.6	27
22	Multifunctional amines enable the formation of polyamide nanofilm composite ultrafiltration and nanofiltration membranes with modulated charge and performance. Journal of Materials Chemistry A, 2018, 6, 20242-20253.	10.3	47
23	High molecular weight poly(vinyl pyrrolidone) induces hierarchical surface morphology in poly(vinylidene fluoride) membrane and facilitates separation of oil-water emulsions. Journal of Membrane Science, 2018, 566, 415-427.	8.2	29
24	Preparation of polyvinylidene fluoride blend anion exchange membranes via non-solvent induced phase inversion for desalination and fluoride removal. Desalination, 2018, 445, 85-94.	8.2	39
25	Synthesis and tailoring the degradation of multi-responsive amphiphilic conetwork gels and hydrogels of poly(Î²-amino ester) and poly(amido amine). Polymer, 2017, 111, 265-274.	3.8	23
26	Synthesis and Multiâ€Responsive Selfâ€Assembly of Cationic Poly(caprolactone)â€“Poly(ethylene glycol) Multiblock Copolymers. Chemistry - A European Journal, 2017, 23, 8166-8170.	3.3	27
27	Dually crosslinked injectable hydrogels of poly(ethylene glycol) and poly[(2-dimethylamino)ethyl methacrylate]-b-poly(N-isopropyl acrylamide) as a wound healing promoter. Journal of Materials Chemistry B, 2017, 5, 4955-4965.	5.8	39
28	Alkyl amine functional dextran macromonomerâ€based thin film composite loose nanofiltration membranes for separation of charged and neutral solutes. Journal of Applied Polymer Science, 2017, 134, 45301.	2.6	10
29	Multifunctionalization of Poly(vinylidene fluoride)/Reactive Copolymer Blend Membranes for Broad Spectrum Applications. ACS Applied Materials & Interfaces, 2017, 9, 3102-3112.	8.0	25
30	A ratiometric solvent polarity sensing Schiff base molecule for estimating the interfacial polarity of versatile amphiphilic self-assemblies. Analyst, The, 2016, 141, 3246-3250.	3.5	13
31	In situ manipulation of properties and performance of polyethyleneimine nanofiltration membranes by polyethylenimine-dextran conjugate. Journal of Membrane Science, 2016, 519, 64-76.	8.2	30
32	Sustainable process for the preparation of potassium sulfate by electrodialysis and its concentration and purification by a nanofiltration process. RSC Advances, 2016, 6, 71807-71817.	3.6	25
33	Reactive compatibilizer mediated precise synthesis and application ofÂstimuli responsive polysaccharides-polycaprolactone amphiphilic co-network gels. Polymer, 2016, 99, 470-479.	3.8	34
34	The effect of phenol functionality on the characteristic features and performance of fully aromatic polyester thin film composite nanofiltration membranes. RSC Advances, 2016, 6, 99867-99877.	3.6	4
35	Effect of Polyethylene Glycol on Properties and Drug Encapsulationâ€“Release Performance of Biodegradable/Cytocompatible Agaroseâ€“Polyethylene Glycolâ€“Polycaprolactone Amphiphilic Co-Network Gels. ACS Applied Materials & Interfaces, 2016, 8, 3182-3192.	8.0	79
36	A simple interfacial pH detection method for cationic amphiphilic self-assemblies utilizing a Schiff-base molecule. Analyst, The, 2016, 141, 2030-2039.	3.5	12

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37	Tailoring polyamide thin film composite nanofiltration membranes by polyethyleneimine and its conjugates for the enhancement of selectivity and antifouling property. RSC Advances, 2016, 6, 4521-4530.	3.6	23
38	Poly(dimethylsiloxane)-containing thermoplastic elastomer/gold-silver alloy nanocomposites for thermally/oxidatively stable and antimicrobial coating. Polymer Composites, 2015, 36, 2103-2112.	4.6	5
39	PEGylation and incorporation of triazine ring into thin film composite reverse osmosis membranes for enhancement of anti-organic and anti-biofouling properties. Desalination, 2015, 360, 108-117.	8.2	34
40	Fouling resistant nanofiltration membranes for the separation of oilâ€“water emulsion and micropollutants from water. Separation and Purification Technology, 2015, 143, 125-134.	7.9	51
41	Stimuli responsive and low fouling ultrafiltration membranes from blends of polyvinylidene fluoride and designed library of amphiphilic poly(methyl methacrylate) containing copolymers. Journal of Membrane Science, 2015, 481, 137-147.	8.2	43
42	Poly(acrylonitrile-co-styrene sodium sulfonate-co-n-butyl acrylate) terpolymer based cation exchange membrane for water desalination via electrodialysis. RSC Advances, 2015, 5, 40026-40035.	3.6	27
43	Degradable/cytocompatible and pH responsive amphiphilic conetwork gels based on agarose-graft copolymers and polycaprolactone. Journal of Materials Chemistry B, 2015, 3, 8548-8557.	5.8	48
44	Low fouling and improved chlorine resistant thin film composite reverse osmosis membranes by cerium(IV)/polyvinyl alcohol mediated surface modification. Desalination, 2015, 357, 93-103.	8.2	49
45	Effect of atom transfer radical polymerization macroinitiator on properties of poly(meth)acrylate-based pentablock type of thermoplastic elastomers. Polymer, 2014, 55, 2369-2379.	3.8	6
46	Amphiphilic poly(acrylonitrile)-co-poly(2-dimethylamino)ethyl methacrylate conetwork-based anion exchange membrane for water desalination. Journal of Materials Chemistry A, 2014, 2, 8396.	10.3	41
47	Effect of phase separation and adsorbed water on power consumption and current efficiency of terpolymer conetwork-based anion exchange membrane. Journal of Materials Chemistry A, 2014, 2, 16124-16134.	10.3	33
48	Effect of amine spacer of PEG on the properties, performance and antifouling behavior of poly(piperazineamide) thin film composite nanofiltration membranes prepared by in situ PEGylation approach. Journal of Membrane Science, 2014, 472, 154-166.	8.2	43
49	Facile in situ PEGylation of polyamide thin film composite membranes for improving fouling resistance. Journal of Membrane Science, 2014, 455, 271-282.	8.2	50
50	Use of 2,4,6-pyridinetricarboxylic acid chloride as a novel co-monomer for the preparation of thin film composite polyamide membrane with improved bacterial resistance. Journal of Membrane Science, 2013, 439, 87-95.	8.2	32
51	Adsorption of pH-responsive amphiphilic copolymer micelles and gel on membrane surface as an approach for antifouling coating. Applied Surface Science, 2013, 268, 355-367.	6.1	28
52	Self-assembly of modified rhodamine-6G with tri-block copolymer: unusual vesicle formation, pH sensing and dye release properties. Journal of Materials Chemistry B, 2013, 1, 1150.	5.8	19
53	Selfâ€assembly of model graft copolymers of agarose and weak polyelectrolyteâ€based amphiphilic diblock copolymers: Controlled drug release and degradation. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1637-1650.	4.0	15
54	Properties and Applications of Poly(dimethylsiloxane) Containing Poly(meth)acrylate-Based Thermoplastic Elastomer/Clay Nanocomposites. Industrial & Engineering Chemistry Research, 2012, 51, 15942-15952.	3.7	10

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55	Synthesis, morphology and properties of poly(dimethylsiloxane)/poly(n-butyl acrylate) mixed soft block-based copolymers: A new class of thermoplastic elastomer. Polymer, 2012, 53, 1453-1464.	3.8	16
56	Amphiphilic poly(acrylonitrileâ€coâ€acrylic acid)/silver nanocomposite additives for the preparation of antibiofouling membranes with improved properties. Polymer Composites, 2011, 32, 1851-1861.	4.6	27
57	Dispersion of functionalized silver nanoparticles in polymer matrices: Stability, characterization, and physical properties. Polymer Composites, 2009, 30, 827-834.	4.6	61
58	Polyisobutyleneâ€based segmented polyureas. I. Synthesis of hydrolytically and oxidatively stable polyureas. Journal of Polymer Science Part A, 2009, 47, 38-48.	2.3	47
59	Polyisobutyleneâ€based polyurethanes. II. Polyureas containing mixed PIB/PTMO soft segments. Journal of Polymer Science Part A, 2009, 47, 2787-2797.	2.3	48
60	Networks and conetworks of PIB-based cyanoacrylate-telechelic prepolymers: Synthesis, characterization, and properties. Journal of Polymer Science Part A, 2008, 46, 2612-2623.	2.3	13
61	Novel biostable and biocompatible amphiphilic membranes. Journal of Biomedical Materials Research - Part A, 2008, 87A, 69-77.	4.0	28
62	Synthesis by RAFT and Ionic Responsiveness of Double Hydrophilic Block Copolymers Based on Ionic Liquid Monomer Units. Macromolecules, 2008, 41, 6299-6308.	4.8	185
63	Synthesis of block copolymer-stabilized Auâ€“Ag alloy nanoparticles and fabrication of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlo	9.4	25
64	Block copolymer mediated synthesis of amphiphilic gold nanoparticles in water and an aqueous tetrahydrofuran medium: An approach for the preparation of polymerâ€“gold nanocomposites. Journal of Polymer Science Part A, 2006, 44, 1841-1854.	2.3	41
65	The beneficial effect of small amount of water in the ambient temperature atom transfer radical homo and block co-polymerization of methacrylates. Polymer, 2005, 46, 1575-1582.	3.8	45
66	The amphiphilic block copolymers of 2-(dimethylamino)ethyl methacrylate and methyl methacrylate: Synthesis by atom transfer radical polymerization and solution properties. Polymer, 2005, 46, 10699-10708.	3.8	52
67	Living radical polymerization. II. Improved atom transfer radical polymerization of acrylamide in aqueous glycerol media with a novel pentamethyldiethylenetriamine-based soluble copper(I) complex catalyst system. Journal of Polymer Science Part A, 2004, 42, 2483-2494.	2.3	32
68	Homogeneous Atom Transfer Radical Polymerization of Methyl Methacrylate at Ambient Temperature in Aqueous Ethanol. Macromolecules, 2004, 37, 4325-4328.	4.8	35
69	Living Radical Polymerization. 1. The Case of Atom Transfer Radical Polymerization of Acrylamide in Aqueous-Based Medium. Macromolecules, 2003, 36, 311-317.	4.8	70