

# 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	Synthesis by RAFT and Ionic Responsiveness of Double Hydrophilic Block Copolymers Based on Ionic Liquid Monomer Units. <i>Macromolecules</i> , 2008, 41, 6299-6308.	4.8	185
2	Anti-organic fouling and anti-biofouling poly(piperazineamide) thin film nanocomposite membranes for low pressure removal of heavy metal ions. <i>Journal of Hazardous Materials</i> , 2018, 343, 86-97.	12.4	90
3	Effect of Polyethylene Glycol on Properties and Drug Encapsulationâ€“Release Performance of Biodegradable/Cytocompatible Agaroseâ€“Polyethylene Glycolâ€“Polycaprolactone Amphiphilic Co-Network Gels. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3182-3192.	8.0	79
4	Living Radical Polymerization. 1. The Case of Atom Transfer Radical Polymerization of Acrylamide in Aqueous-Based Medium. <i>Macromolecules</i> , 2003, 36, 311-317.	4.8	70
5	Self-Assembly of Partially Alkylated Dextran- <i>graft</i> -poly[(2-dimethylamino)ethyl methacrylate] Copolymer Facilitating Hydrophobic/Hydrophilic Drug Delivery and Improving Conetwork Hydrogel Properties. <i>Biomacromolecules</i> , 2018, 19, 1142-1153.	5.4	68
6	Dispersion of functionalized silver nanoparticles in polymer matrices: Stability, characterization, and physical properties. <i>Polymer Composites</i> , 2009, 30, 827-834.	4.6	61
7	The amphiphilic block copolymers of 2-(dimethylamino)ethyl methacrylate and methyl methacrylate: Synthesis by atom transfer radical polymerization and solution properties. <i>Polymer</i> , 2005, 46, 10699-10708.	3.8	52
8	Fouling resistant nanofiltration membranes for the separation of oilâ€“water emulsion and micropollutants from water. <i>Separation and Purification Technology</i> , 2015, 143, 125-134.	7.9	51
9	Facile in situ PEGylation of polyamide thin film composite membranes for improving fouling resistance. <i>Journal of Membrane Science</i> , 2014, 455, 271-282.	8.2	50
10	Low fouling and improved chlorine resistant thin film composite reverse osmosis membranes by cerium(IV)/polyvinyl alcohol mediated surface modification. <i>Desalination</i> , 2015, 357, 93-103.	8.2	49
11	Crosslinked terpolymer anion exchange membranes for selective ion separation and acid recovery. <i>Journal of Membrane Science</i> , 2020, 612, 118459.	8.2	49
12	Polyisobutyleneâ€“based polyurethanes. II. Polyureas containing mixed PIB/PTMO soft segments. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2787-2797.	2.3	48
13	Degradable/cytocompatible and pH responsive amphiphilic conetwork gels based on agarose-graft copolymers and polycaprolactone. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8548-8557.	5.8	48
14	Polyisobutyleneâ€“based segmented polyureas. I. Synthesis of hydrolytically and oxidatively stable polyureas. <i>Journal of Polymer Science Part A</i> , 2009, 47, 38-48.	2.3	47
15	Multifunctional amines enable the formation of polyamide nanofilm composite ultrafiltration and nanofiltration membranes with modulated charge and performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20242-20253.	10.3	47
16	The beneficial effect of small amount of water in the ambient temperature atom transfer radical homo and block co-polymerization of methacrylates. <i>Polymer</i> , 2005, 46, 1575-1582.	3.8	45
17	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. <i>Journal of Membrane Science</i> , 2014, 472, 154-166.	8.2	43
18	Stimuli responsive and low fouling ultrafiltration membranes from blends of polyvinylidene fluoride and designed library of amphiphilic poly(methyl methacrylate) containing copolymers. <i>Journal of Membrane Science</i> , 2015, 481, 137-147.	8.2	43

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19	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
20	Block copolymer mediated synthesis of amphiphilic gold nanoparticles in water and an aqueous tetrahydrofuran medium: An approach for the preparation of polymer-gold nanocomposites. Journal of Polymer Science Part A, 2006, 44, 1841-1854.	2.3	41
21	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
22	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
23	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
24	Homogeneous phase crosslinked poly(acrylonitrile-co-2-acrylamido-2-methyl-1-propanesulfonic acid) conetwork cation exchange membranes showing high electrochemical properties and electro dialysis performance. Polymer, 2019, 180, 121680.	3.8	36
25	Gold Nanoparticle Promoted Formation and Biological Properties of Injectable Hydrogels. Biomacromolecules, 2020, 21, 3782-3794.	5.4	36
26	Homogeneous Atom Transfer Radical Polymerization of Methyl Methacrylate at Ambient Temperature in Aqueous Ethanol. Macromolecules, 2004, 37, 4325-4328.	4.8	35
27	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
28	Reactive compatibilizer mediated precise synthesis and application of stimuli responsive polysaccharides-polycaprolactone amphiphilic co-network gels. Polymer, 2016, 99, 470-479.	3.8	34
29	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
30	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
31	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
32	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
33	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
34	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
35	Novel biostable and biocompatible amphiphilic membranes. Journal of Biomedical Materials Research - Part A, 2008, 87A, 69-77.	4.0	28
36	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

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37	Amphiphilic poly(acrylonitrile-co-acrylic acid)/silver nanocomposite additives for the preparation of antibiofouling membranes with improved properties. <i>Polymer Composites</i> , 2011, 32, 1851-1861.	4.6	27
38	Poly(acrylonitrile-co-styrene sodium sulfonate-co-n-butyl acrylate) terpolymer based cation exchange membrane for water desalination via electrodialysis. <i>RSC Advances</i> , 2015, 5, 40026-40035.	3.6	27
39	Synthesis and Multi-Responsive Self-Assembly of Cationic Poly(caprolactone)-Poly(ethylene glycol) Multiblock Copolymers. <i>Chemistry - A European Journal</i> , 2017, 23, 8166-8170.	3.3	27
40	Liquid Prepolymer-Based in Situ Formation of Degradable Poly(ethylene Terephthalate) Glycol-Linked Amphiphilic Conetwork Gels Showing Polarity Driven Gelation and Bioadhesion. <i>ACS Applied Bio Materials</i> , 2018, 1, 1606-1619.	4.6	27
41	Synthesis of block copolymer-stabilized Au-Ag alloy nanoparticles and fabrication of poly(methyl Methacrylate) Membranes. <i>Journal of Membrane Science</i> , 2018, 547, 1-10.	9.4	25
42	Sustainable process for the preparation of potassium sulfate by electrodialysis and its concentration and purification by a nanofiltration process. <i>RSC Advances</i> , 2016, 6, 71807-71817.	3.6	25
43	Multifunctionalization of Poly(vinylidene fluoride)/Reactive Copolymer Blend Membranes for Broad Spectrum Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3102-3112.	8.0	25
44	Selective grafting of morphologically modified poly(vinylidene fluoride) ultrafiltration membrane by poly(acrylic acid) for inducing antifouling property. <i>Applied Surface Science</i> , 2021, 544, 148905.	6.1	25
45	Tailoring polyamide thin film composite nanofiltration membranes by polyethyleneimine and its conjugates for the enhancement of selectivity and antifouling property. <i>RSC Advances</i> , 2016, 6, 4521-4530.	3.6	23
46	Synthesis and tailoring the degradation of multi-responsive amphiphilic conetwork gels and hydrogels of poly( $\beta$ -amino ester) and poly(amido amine). <i>Polymer</i> , 2017, 111, 265-274.	3.8	23
47	Self-assembly of modified rhodamine-6G with tri-block copolymer: unusual vesicle formation, pH sensing and dye release properties. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1150.	5.8	19
48	In situ amphiphilic modification of thin film composite membrane for application in aqueous and organic solvents. <i>Journal of Membrane Science</i> , 2021, 626, 119155.	8.2	17
49	Synthesis, morphology and properties of poly(dimethylsiloxane)/poly(n-butyl acrylate) mixed soft block-based copolymers: A new class of thermoplastic elastomer. <i>Polymer</i> , 2012, 53, 1453-1464.	3.8	16
50	Multipurpose tight ultrafiltration membrane through controlled layer-by-layer assembly for low pressure molecular separation. <i>Journal of Membrane Science</i> , 2022, 641, 119908.	8.2	16
51	Self-assembly of model graft copolymers of agarose and weak polyelectrolyte-based amphiphilic diblock copolymers: Controlled drug release and degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1637-1650.	4.0	15
52	Influence of the formed interface during preparation of poly(vinylidene fluoride) blend cation exchange membrane on the electro-chemical properties and performance. <i>Desalination</i> , 2022, 531, 115682.	8.2	15
53	Networks and conetworks of PIB-based cyanoacrylate-telechelic prepolymers: Synthesis, characterization, and properties. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2612-2623.	2.3	13
54	A ratiometric solvent polarity sensing Schiff base molecule for estimating the interfacial polarity of versatile amphiphilic self-assemblies. <i>Analyst</i> , 2016, 141, 3246-3250.	3.5	13

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55	A simple interfacial pH detection method for cationic amphiphilic self-assemblies utilizing a Schiff-base molecule. <i>Analyst</i> , 2016, 141, 2030-2039.	3.5	12
56	Properties and Applications of Poly(dimethylsiloxane) Containing Poly(meth)acrylate-Based Thermoplastic Elastomer/Clay Nanocomposites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 15942-15952.	3.7	10
57	Alkyl amine functional dextran macromonomer-based thin film composite loose nanofiltration membranes for separation of charged and neutral solutes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45301.	2.6	10
58	Effect of atom transfer radical polymerization macroinitiator on properties of poly(meth)acrylate-based pentablock type of thermoplastic elastomers. <i>Polymer</i> , 2014, 55, 2369-2379.	3.8	6
59	PEGylated gold nanoparticles promoted rapid macromolecular chain-end transformation and formation of injectable hydrogels. <i>Journal of Materials Chemistry B</i> , 2020, 8, 465-477.	5.8	6
60	Modulation of Properties through Covalent Bond Induced Formation of Strong Ion Pairing between Polyelectrolytes in Injectable Conetwork Hydrogels. <i>ACS Applied Bio Materials</i> , 2021, 4, 3374-3387.	4.6	6
61	Poly(dimethylsiloxane)-containing thermoplastic elastomer/gold-silver alloy nanocomposites for thermally/oxidatively stable and antimicrobial coating. <i>Polymer Composites</i> , 2015, 36, 2103-2112.	4.6	5
62	Library of Derivatizable Multiblock Copolymers by Nucleophilic Substitution Polymerization and Targeting Specific Properties. <i>Biomacromolecules</i> , 2020, 21, 5029-5043.	5.4	5
63	The effect of phenol functionality on the characteristic features and performance of fully aromatic polyester thin film composite nanofiltration membranes. <i>RSC Advances</i> , 2016, 6, 99867-99877.	3.6	4
64	Stability and acidic pH-mediated leakage of guest molecules from self-assembly of poly(amidoamine)-graft-alkyl copolymers. <i>Polymer</i> , 2019, 183, 121894.	3.8	4
65	CHAPTER 3. Designing Multi-component Biodegradable/Biocompatible Amphiphilic Polymer Co-networks for Biomedical Applications. <i>RSC Polymer Chemistry Series</i> , 2020, , 47-76.	0.2	4
66	In situ PEGylation of polyamide network of thin film composite membrane by inter-polymer H-bond complex formation. <i>Journal of Membrane Science</i> , 2022, 656, 120640.	8.2	4
67	Structural Regulation at Poly(ethylene glycol) Termini Facilitates the Formation of Injectable Hydrogels with Modulated Degradation and Release of Biomacromolecules. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5532-5545.	4.4	4
68	Poly(vinylidene fluoride)/partially alkylated poly(vinyl imidazole) interpolymer ultrafiltration membranes with intrinsic anti-biofouling and antifouling property for the removal of bacteria. <i>Journal of Hazardous Materials</i> , 2022, 438, 129538.	12.4	4
69	Protonation-induced pH increase at the triblock copolymer micelle interface for transient membrane permeability at neutral pH. <i>Soft Matter</i> , 2020, 16, 798-809.	2.7	2