Tejraj M Aminabhavi

List of Publications by Year
in descending order

741 papers	45,758 citations	1792 103 h-index	4419 172 g-index
753 all docs	753 docs citations	753 times ranked	33757 citing authors

#	Article	IF	Citations
1	Biodegradable polymeric nanoparticles as drug delivery devices. Journal of Controlled Release, 2001, 70, 1-20.	4.8	3,026
2	Recent advances on chitosan-based micro- and nanoparticles in drug delivery. Journal of Controlled Release, 2004, 100, 5-28.	4.8	2,181
3	Nano/micro technologies for delivering macromolecular therapeutics using poly(d,l-lactide-co-glycolide) and its derivatives. Journal of Controlled Release, 2008, 125, 193-209.	4.8	940
4	Graphitic carbon nitride (gâ€“C3N4)â€“based metal-free photocatalysts for water splitting: A review. Carbon, 2019, 149, 693-721.	5.4	618
5	Polyacrylonitrile-based nanofibersâ€”A state-of-the-art review. Progress in Polymer Science, 2012, 37, 487-513.	11.8	530
6	Density, Viscosity, Refractive Index, and Speed of Sound in Aqueous Mixtures of N,N-Dimethylformamide, Dimethyl Sulfoxide, N,N-Dimethylacetamide, Acetonitrile, Ethylene Glycol, Diethylene Glycol, 1,4-Dioxane, Tetrahydrofuran, 2-Methoxyethanol, and 2-Ethoxyethanol at 298.15 K. Journal of Chemical & Engineering Data, 1995, 40, 856-861.	1.0	360
7	Targeted nanoparticles for drug delivery through the bloodâ€“brain barrier for Alzheimer's disease. Journal of Controlled Release, 2005, 108, 193-214.	4.8	343
8	Semi-interpenetrating polymer network microspheres of gelatin and sodium carboxymethyl cellulose for controlled release of ketorolac tromethamine. Carbohydrate Polymers, 2006, 65, 243-252.	5.1	331
9	Stimulus-Responsive â€œSmartâ€•Hydrogels as Novel Drug Delivery Systems. Drug Development and Industrial Pharmacy, 2002, 28, 957-974.	0.9	325
10	Polymeric graphitic carbon nitride (g-C3N4)-based semiconducting nanostructured materials: Synthesis methods, properties and photocatalytic applications. Journal of Environmental Management, 2019, 238, 25-40.	3.8	321
11	Superior chemical stability of UiO-66 metal-organic frameworks (MOFs) for selective dye adsorption. Chemical Engineering Journal, 2020, 399, 125346.	6.6	305
12	ZnO-based nanostructured electrodes for electrochemical sensors and biosensors in biomedical applications. Biosensors and Bioelectronics, 2019, 141, 111417.	5.3	300
13	Membrane-based separation of potential emerging pollutants. Separation and Purification Technology, 2019, 210, 850-866.	3.9	277
14	Water transport and drug release study from cross-linked polyacrylamide grafted guar gum hydrogel microspheres for the controlled release application. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 53, 87-98.	2.0	253
15	Separation of Carbon Dioxide from Natural Gas Mixtures through Polymeric Membranesâ€”A Review. Separation and Purification Reviews, 2007, 36, 113-174.	2.8	251
16	Waste-to-energy nexus for circular economy and environmental protection: Recent trends in hydrogen energy. Science of the Total Environment, 2020, 713, 136633.	3.9	249
17	Chemically modified polyacrylamide-g-guar gum-based crosslinked anionic microgels as pH-sensitive drug delivery systems: preparation and characterization. Journal of Controlled Release, 2001, 75, 331-345.	4.8	248
18	Glutaraldehyde crosslinked sodium alginate beads containing liquid pesticide for soil application. Journal of Controlled Release, 2000, 63, 97-105.	4.8	239

#	Article	IF	Citations
19	Diffusion and sorption of organic liquids through polymer membranes. 5. Neoprene, styrene-butadiene-rubber, ethylene-propylene-diene terpolymer, and natural rubber versus hydrocarbons (C8-C16). Macromolecules, 1991, 24, 2598-2605.	2.2	232
20	Textile waste, dyes/inorganic salts separation of cerium oxide-loaded loose nanofiltration polyethersulfone membranes. Chemical Engineering Journal, 2020, 385, 123787.	6.6	232
21	Nanofiltration and reverse osmosis thin film composite membrane module for the removal of dye and salts from the simulated mixtures. Desalination, 2009, 249, 12-17.	4.0	230
22	Sustainability considerations in membrane-based technologies for industrial effluents treatment. Chemical Engineering Journal, 2019, 368, 474-494.	6.6	227
23	Chitosan as a carrier for targeted delivery of small interfering RNA. International Journal of Pharmaceutics, 2010, 399, 1-11.	2.6	224
24	Densities, viscosities, refractive indices, and speeds of sound for methyl acetoacetate + aliphatic alcohols (C1-C8). Journal of Chemical & Engineering Data, 1993, 38, 31-39.	1.0	220
25	Polymeric hydrogels for oral insulin delivery. Journal of Controlled Release, 2013, 165, 129-138.	4.8	217
26	Hydrogels as controlled release devices in agriculture. Designed Monomers and Polymers, 2002, 5, 39-65.	0.7	215
27	Metal-organic frameworks (MOFs)-based efficient heterogeneous photocatalysts: Synthesis, properties and its applications in photocatalytic hydrogen generation, CO2 reduction and photodegradation of organic dyes. International Journal of Hydrogen Energy, 2020, 45, 7656-7679.	3.8	214
28	Controlled release of clozapine through chitosan microparticles prepared by a novel method. Journal of Controlled Release, 2004, 96, 245-259.	4.8	212
29	Band gap tuning and surface modification of carbon dots for sustainable environmental remediation and photocatalytic hydrogen production â€“ A review. Journal of Environmental Management, 2019, 250, 109486.	3.8	211
30	Photocatalytic recovery of H2 from H2S containing wastewater: Surface and interface control of photo-excitons in Cu2S@TiO2 core-shell nanostructures. Applied Catalysis B: Environmental, 2019, 254, 174-185.	10.8	209
31	Thermodynamic interactions in mixtures of bromoform with hydrocarbons. The Journal of Physical Chemistry, 1991, 95, 5299-5308.	2.9	197
32	A review on frontiers in plasmonic nano-photocatalysts for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 10453-10472.	3.8	194
33	Pervaporation separation of isopropanol/water mixtures through crosslinked chitosan membranes. Journal of Membrane Science, 2005, 262, 91-99.	4.1	193
34	Distillery wastewater treatment by the membrane-based nanofiltration and reverse osmosis processes. Water Research, 2006, 40, 2349-2356.	5.3	190
35	Novel chitosan-based pH-sensitive interpenetrating network microgels for the controlled release of cefadroxil. Carbohydrate Polymers, 2006, 66, 333-344.	5.1	189
36	Poly(vinyl alcohol) and poly(acrylic acid) sequential interpenetrating network pH-sensitive microspheres for the delivery of diclofenac sodium to the intestine. Journal of Controlled Release, 2004, 96, 9-20.	4.8	188

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37	Hetero-nanostructured metal oxide-based hybrid photocatalysts for enhanced photoelectrochemical water splitting â€“ A review. International Journal of Hydrogen Energy, 2020, 45, 18331-18347.	3.8	185
38	Crosslinked chitosan microspheres for encapsulation of diclofenac sodium: effect of crosslinking agent. Journal of Microencapsulation, 2002, 19, 173-180.	1.2	179
39	Ethylenediamine-functionalized Zr-based MOF for efficient removal of heavy metal ions from water. Chemosphere, 2021, 264, 128466.	4.2	179
40	Novel interpenetrating polymer network microspheres of chitosan and methylcellulose for controlled release of theophylline. Carbohydrate Polymers, 2007, 69, 678-687.	5.1	174
41	Polymeric micelles: Basic research to clinical practice. International Journal of Pharmaceutics, 2017, 532, 249-268.	2.6	174
42	Nanomedicine: An effective tool in cancer therapy. International Journal of Pharmaceutics, 2018, 540, 132-149.	2.6	169
43	Controlled release of cephalexin through gellan gum beads: Effect of formulation parameters on entrapment efficiency, size, and drug release. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 63, 249-261.	2.0	167
44	Density, Viscosity, and Refractive Index of the Binary Mixtures of Cyclohexane with Hexane, Heptane, Octane, Nonane, and Decane at (298.15, 303.15, and 308.15) K. Journal of Chemical & Engineering Data, 1996, 41, 521-525.	1.0	166
45	Development and evaluation of novel biodegradable microspheres based on poly(d,l-lactide-co-glycolide) and poly(Îµ-caprolactone) for controlled delivery of doxycycline in the treatment of human periodontal pocket: In vitro and in vivo studies. Journal of Controlled Release, 2007, 119, 59-68.	4.8	166
46	Functionalized Graphene Sheets Embedded in Chitosan Nanocomposite Membranes for Ethanol and Isopropanol Dehydration via Pervaporation. Industrial & Engineering Chemistry Research, 2014, 53, 14474-14484.	1.8	166
47	UiO-66 metalâ€“organic frameworks in water treatment: A critical review. Progress in Materials Science, 2022, 125, 100904.	16.0	161
48	Electrochemical detection and degradation of textile dye Congo red at graphene oxide modified electrode. Microchemical Journal, 2019, 146, 387-392.	2.3	160
49	Biomass utilization and production of biofuels from carbon neutral materials. Environmental Pollution, 2021, 276, 116731.	3.7	160
50	In-vitro release kinetics of cefadroxil-loaded sodium alginate interpenetrating network beads. European Journal of Pharmaceutics and Biopharmaceutics, 2001, 51, 127-133.	2.0	157
51	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. Colloids and Surfaces B: Biointerfaces, 2019, 178, 385-394.	2.5	156
52	POLYMERS DERIVED FROM HEXAFLUOROACETONE. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1989, 29, 365-429.	2.2	155
53	Paper-based microfluidic analytical devices for colorimetric detection of toxic ions: A review. TrAC - Trends in Analytical Chemistry, 2017, 93, 212-227.	5.8	155
54	Synthesis and characterization of semi-interpenetrating polymer network microspheres of acrylamide grafted dextran and chitosan for controlled release of acyclovir. Carbohydrate Polymers, 2007, 67, 605-613.	5.1	154

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55	Sensors based on ruthenium-doped TiO2 nanoparticles loaded into multi-walled carbon nanotubes for the detection of flufenamic acid and mefenamic acid. Analytica Chimica Acta, 2019, 1051, 58-72.	2.6	154
56	Polysaccharide-based micro/nanohydrogels for delivering macromolecular therapeutics. Journal of Controlled Release, 2014, 193, 162-173.	4.8	152
57	Arsenic removal from drinking water using thin film composite nanofiltration membrane. Desalination, 2010, 252, 75-80.	4.0	151
58	2D/2d heterojunction of MoS2/g-C3N4 nanoflowers for enhanced visible-light-driven photocatalytic and electrochemical degradation of organic pollutants. Journal of Environmental Management, 2020, 274, 111208.	3.8	145
59	Density, Viscosity, Refractive Index, and Speed of Sound in Binary Mixtures of Acrylonitrile with Methanol, Ethanol, Propan-1-ol, Butan-1-ol, Pentan-1-ol, Hexan-1-ol, Heptan-1-ol, and Butan-2-ol. Journal of Chemical & Engineering Data, 1999, 44, 216-221.	1.0	144
60	Development of crosslinked poly(ether-block-amide) membrane for CO2/CH4 separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 267-274.	2.3	144
61	Preparation of sodium alginateâ€“methylcellulose blend microspheres for controlled release of nifedipine. Carbohydrate Polymers, 2007, 69, 241-250.	5.1	144
62	Efficient removal of toxic organic dyes and photoelectrochemical properties of iron-doped zirconia nanoparticles. Chemosphere, 2020, 239, 124766.	4.2	140
63	Microplastics in the environment: Occurrence, perils, and eradication. Chemical Engineering Journal, 2021, 408, 127317.	6.6	137
64	Synthesis and characterization of polyacrylamide-grafted chitosan hydrogel microspheres for the controlled release of indomethacin. Journal of Applied Polymer Science, 2003, 87, 1525-1536.	1.3	134
65	Polychlorinated biphenyls (PCBs) in the environment: Recent updates on sampling, pretreatment, cleanup technologies and their analysis. Chemical Engineering Journal, 2019, 358, 1186-1207.	6.6	134
66	Syntheses and characterization of blend membranes of sodium alginate and poly(vinyl alcohol) for the pervaporation separation of water + isopropanol mixtures. Journal of Applied Polymer Science, 2002, 86, 3642-3651.	1.3	133
67	Different viscosity grade sodium alginate and modified sodium alginate membranes in pervaporation separation of water + acetic acid and water + isopropanol mixtures. Journal of Membrane Science, 2004, 228, 199-208.	4.1	133
68	Novel dense poly(vinyl alcohol)â€“TiO2 mixed matrix membranes for pervaporation separation of waterâ€“isopropanol mixtures at 30Â°Câ¯†. Journal of Membrane Science, 2006, 281, 95-102.	4.1	132
69	Molecular dynamics simulations to investigate polymerâ€“polymer and polymerâ€“metal oxide interactions. Polymer, 2007, 48, 409-416.	1.8	132
70	Sustainable environmental management and related biofuel technologies. Journal of Environmental Management, 2020, 273, 111096.	3.8	132
71	Densities, refractive indices, speeds of sound, and shear viscosities of diethylene glycol dimethyl ether with ethyl acetate, methyl benzoate, ethyl benzoate, and diethyl succinate in the temperature range from 298.15 to 318.15 K. Journal of Chemical & Engineering Data, 1994, 39, 251-260.	1.0	131
72	Novel interpenetrating network chitosan-poly(ethylene oxide-g-acrylamide) hydrogel microspheres for the controlled release of capecitabineâ¯†. International Journal of Pharmaceutics, 2006, 324, 103-115.	2.6	131

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73	Biofuels, biodiesel and biohydrogen production using bioprocesses. A review. Environmental Chemistry Letters, 2020, 18, 1049-1072.	8.3	131
74	Controlled release of antihypertensive drug from the interpenetrating network poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (27-43.	1.9	130
75	Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K. Journal of Chemical & Engineering Data, 2005, 50, 910-916.	1.0	130
76	Quinolineâ€nâ€butylcyanoacrylateâ€based nanoparticles for brain targeting for the diagnosis of Alzheimer's disease. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 35-47.	3.3	130
77	Graphene-loaded sodium alginate nanocomposite membranes with enhanced isopropanol dehydration performance via a pervaporation technique. RSC Advances, 2013, 3, 17120.	1.7	129
78	Carbon Clothâ€based Hybrid Materials as Flexible Electrochemical Supercapacitors. ChemElectroChem, 2019, 6, 5771-5786.	1.7	129
79	Diffusion and sorption of organic liquids through polymer membranes. II. Neoprene, SBR, EPDM, NBR, and natural rubber versus n-alkanes. Journal of Applied Polymer Science, 1991, 42, 2329-2336.	1.3	127
80	Biochar for soil applications-sustainability aspects, challenges and future prospects. Chemical Engineering Journal, 2022, 428, 131189.	6.6	127
81	Density, Refractive Index, Viscosity, and Speed of Sound in Binary Mixtures of Cyclohexanone with Hexane, Heptane, Octane, Nonane, Decane, Dodecane, and 2,2,4-Trimethylpentane. Journal of Chemical & Engineering Data, 1999, 44, 435-440.	1.0	126
82	Development of Novel Interpenetrating Network Gellan Gum-Poly(vinyl alcohol) Hydrogel Microspheres for the Controlled Release of Carvedilol. Drug Development and Industrial Pharmacy, 2005, 31, 491-503.	0.9	126
83	Sodium montmorillonite clay loaded novel mixed matrix membranes of poly(vinyl alcohol) for pervaporation dehydration of aqueous mixtures of isopropanol and 1,4-dioxane. Journal of Membrane Science, 2006, 285, 182-195.	4.1	126
84	Modified guar gum matrix tablet for controlled release of diltiazem hydrochloride. Journal of Controlled Release, 2004, 95, 567-577.	4.8	125
85	Novel pH-Sensitive Hydrogels Prepared from the Blends of Poly(vinyl alcohol) with Acrylic Acid-graft-Guar Gum Matrixes for Isoniazid Delivery. Industrial & Engineering Chemistry Research, 2010, 49, 7323-7329.	1.8	125
86	Density, Viscosity, Refractive Index, and Speed of Sound in Binary Mixtures of Ethenylbenzene withN,N-Dimethylacetamide, Tetrahydrofuran,N,N-Dimethylformamide, 1,4-Dioxane, Dimethyl Sulfoxide, Chloroform, Bromoform, and 1-Chloronaphthalene in the Temperature Interval (298.15â˜308.15) K. Journal of Chemical & Engineering Data, 1998, 43, 497-503.	1.0	124
87	Fabrication of ZnO nanoparticles modified sensor for electrochemical oxidation of methdilazine. Applied Surface Science, 2019, 496, 143656.	3.1	124
88	Evaluation of acrylamide-grafted-xanthan gum copolymer matrix tablets for oral controlled delivery of antihypertensive drugsâ˜†. Carbohydrate Polymers, 2007, 69, 130-141.	5.1	122
89	Sustainable hydrogen production for the greener environment by quantum dots-based efficient photocatalysts: A review. Journal of Environmental Management, 2019, 248, 109246.	3.8	122
90	A Review on Biodegradable Plastics. Polymer-Plastics Technology and Engineering, 1990, 29, 235-262.	1.9	121

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91	Diffusion and sorption of organic liquids through polymer membranes: 10. Polyurethane, nitrile-butadiene rubber and epichlorohydrin versus aliphatic alcohols (C1-C5). Polymer, 1993, 34, 1006-1018.	1.8	121
92	Copper-doped ZrO2 nanoparticles as high-performance catalysts for efficient removal of toxic organic pollutants and stable solar water oxidation. Journal of Environmental Management, 2020, 260, 110088.	3.8	121
93	Density, Viscosity, Refractive Index, and Speed of Sound in Binary Mixtures of 2-Chloroethanol with Methyl Acetate, Ethyl Acetate, n-Propyl Acetate, and n-Butyl Acetate. Journal of Chemical & Engineering Data, 1999, 44, 441-445.	1.0	117
94	Interpenetrating polymer network blend microspheres of chitosan and hydroxyethyl cellulose for controlled release of isoniazid. International Journal of Biological Macromolecules, 2010, 47, 171-179.	3.6	117
95	ZnO nanosheets-decorated Bi2WO6 nanolayers as efficient photocatalysts for the removal of toxic environmental pollutants and photoelectrochemical solar water oxidation. Journal of Environmental Management, 2020, 265, 110504.	3.8	117
96	Electrochemical sensors for the detection of SARS-CoV-2 virus. Chemical Engineering Journal, 2022, 430, 132966.	6.6	115
97	Molecular Modeling Simulations to Predict Compatibility of Poly(vinyl alcohol) and Chitosan Blends:Â A Comparison with Experiments. Journal of Physical Chemistry B, 2007, 111, 2431-2439.	1.2	114
98	pH sensitive interpenetrating network microgels of sodium alginate-acrylic acid for the controlled release of ibuprofen. Journal of Applied Polymer Science, 2006, 99, 2671-2678.	1.3	113
99	Photocatalytic water splitting hydrogen production via environmental benign carbon based nanomaterials. International Journal of Hydrogen Energy, 2021, 46, 33696-33717.	3.8	113
100	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures. Journal of Environmental Management, 2020, 254, 109747.	3.8	111
101	Integrated biorefinery processes for conversion of lignocellulosic biomass to value added materials: Paving a path towards circular economy. Bioresource Technology, 2022, 343, 126151.	4.8	111
102	Interactions of organic halides with a polyurethane elastomer. Journal of Membrane Science, 1990, 50, 225-247.	4.1	110
103	Synthesis, characterization and low frequency AC conduction of polyaniline/niobium pentoxide composites. Synthetic Metals, 2006, 156, 1139-1147.	2.1	109
104	Potential application of an electrodialysis pilot plant containing ion-exchange membranes in chromium removal. Desalination, 2007, 217, 181-190.	4.0	108
105	Pervaporation separation of water-isopropanol mixtures using ZSM-5 zeolite incorporated poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	107
106	Characterization of surface-modified montmorillonite nanocomposites. Ceramics International, 2012, 38, 929-934.	2.3	107
107	Mixed matrix membranes of Hâ€ZSM5â€loaded poly(vinyl alcohol) used in pervaporation dehydration of alcohols: Influence of silica/alumina ratio. Polymer Engineering and Science, 2014, 54, 1774-1782.	1.5	107
108	Nature engineered diatom biosilica as drug delivery systems. Journal of Controlled Release, 2018, 281, 70-83.	4.8	106

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109	Waste-to-energy nexus: A sustainable development. Environmental Pollution, 2020, 267, 115501.	3.7	106
110	Z-scheme binary 1D ZnWO4 nanorods decorated 2D NiFe2O4 nanoplates as photocatalysts for high efficiency photocatalytic degradation of toxic organic pollutants from wastewater. Journal of Environmental Management, 2020, 268, 110677.	3.8	106
111	Molecular Modeling on the Binary Blend Compatibility of Poly(vinyl alcohol) and Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2005, 109, 15611-15620.	1.2	105
112	Molecular modeling simulations and thermodynamic approaches to investigate compatibility/incompatibility of poly(l-lactide) and poly(vinyl alcohol) blends. Polymer, 2006, 47, 8061-8071.	1.8	105
113	Aluminum-rich zeolite beta incorporated sodium alginate mixed matrix membranes for pervaporation dehydration and esterification of ethanol and acetic acid. Journal of Membrane Science, 2008, 318, 233-246.	4.1	105
114	Pervaporation Separation of Organic-Aqueous and Organic-Organic Binary Mixtures. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1994, 34, 139-204.	2.2	104
115	Pervaporation separation of water+isopropanol mixtures using novel nanocomposite membranes of poly(vinyl alcohol) and polyaniline. Journal of Membrane Science, 2005, 260, 142-155.	4.1	103
116	Biochar in water and wastewater treatment - a sustainability assessment. Chemical Engineering Journal, 2021, 420, 129946.	6.6	103
117	Mixed matrix membranes of sodium alginate and poly(vinyl alcohol) for pervaporation dehydration of isopropanol at different temperatures. Polymer, 2007, 48, 5417-5430.	1.8	102
118	Densities, Viscosities, Refractive Indices, and Speeds of Sound of the Binary Mixtures of Bis(2-methoxyethyl) Ether with Nonane,Decane, Dodecane, Tetradecane, and Hexadecane at 298.15, 308.15, and 318.15 K. Journal of Chemical & Engineering Data, 1994, 39, 529-534.	1.0	101
119	Controlled release of diclofenac sodium from sodium alginate beads crosslinked with glutaraldehyde. Pharmaceutica Acta Helvetiae, 1999, 74, 29-36.	1.2	101
120	Targeted delivery of small interfering RNA to colon cancer cells using chitosan and PEGylated chitosan nanoparticles. Carbohydrate Polymers, 2016, 147, 323-332.	5.1	101
121	Density, Refractive Index, Viscosity, and Speed of Sound in Binary Mixtures of Ethenylbenzene with Hexane, Heptane, Octane, Nonane, Decane, and Dodecane. Journal of Chemical & Engineering Data, 1997, 42, 641-646.	1.0	100
122	Point of care detection of COVID-19: Advancement in biosensing and diagnostic methods. Chemical Engineering Journal, 2021, 414, 128759.	6.6	100
123	Densities, Shear Viscosities, Refractive Indices, and Speeds of Sound of Bis(2-methoxyethyl) Ether with Hexane, Heptane, Octane, and 2,2,4-Trimethylpentane in the Temperature Interval 298.15-318.15 K. Journal of Chemical & Engineering Data, 1994, 39, 522-528.	1.0	99
124	Hydrogen peroxide treated graphene as an effective nanosheet filler for separation application. RSC Advances, 2015, 5, 100984-100995.	1.7	99
125	Density, Refractive Index, Viscosity, and Speed of Sound in Binary Mixtures of Cyclohexanone with Benzene, Methylbenzene, 1,4-Dimethylbenzene, 1,3,5-Trimethylbenzene, and Methoxybenzene in the Temperature Interval (298.15 to 308.15) K. Journal of Chemical & Engineering Data, 1999, 44, 446-450.	1.0	98
126	Skin-Patchable Electrodes for Biosensor Applications: A Review. ACS Biomaterials Science and Engineering, 2020, 6, 1823-1835.	2.6	98

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127	Blend membranes of chitosan and poly(vinyl alcohol) in pervaporation dehydration of isopropanol and tetrahydrofuran. Journal of Applied Polymer Science, 2007, 103, 1918-1926.	1.3	97
128	Matrimid polyimide membranes for the separation of carbon dioxide from methane. Journal of Applied Polymer Science, 2007, 106, 1585-1594.	1.3	97
129	Stimuli-responsive peptide-based biomaterials as drug delivery systems. Chemical Engineering Journal, 2018, 353, 559-583.	6.6	96
130	Formulation and in-vitro evaluation of novel starch-based tableted microspheres for controlled release of ampicillin. Carbohydrate Polymers, 2008, 71, 42-53.	5.1	95
131	Diffusion and sorption of organic liquids through polymer membranes. I. Polyurethane versus n-alkanes. Journal of Applied Polymer Science, 1991, 42, 2321-2328.	1.3	94
132	Pervaporation Separation Using Sodium Alginate and Its Modified Membranesâ€"A Review. Separation and Purification Reviews, 2007, 36, 203-229.	2.8	94
133	Excess properties of the binary mixtures of methylcyclohexane+alkanes (C6 to C12) at T=298.15K to T=308.15K. Journal of Chemical Thermodynamics, 2006, 38, 75-83.	1.0	92
134	Electro-sensing base for herbicide aclonifen at graphitic carbon nitride modified carbon electrode â€“ Water and soil sample analysis. Microchemical Journal, 2019, 149, 103976.	2.3	92
135	Densities, Viscosities, and Refractive Indices of Bis(2-methoxyethyl) Ether + Cyclohexane or + 1,2,3,4-Tetrahydronaphthalene and of 2-Ethoxyethanol + Propan-1-ol, + Propan-2-ol, or + Butan-1-ol. Journal of Chemical & Engineering Data, 1995, 40, 462-467.	1.0	91
136	Density, Viscosity, Refractive Index, and Speed of Sound in the Binary Mixtures of Ethyl Chloroacetate + Cyclohexanone, + Chlorobenzene, + Bromobenzene, or + Benzyl Alcohol at (298.15, 303.15, and 308.15) K. Journal of Chemical & Engineering Data, 2003, 48, 628-631.	1.0	91
137	Novel composite blend microbeads of sodium alginate coated with chitosan for controlled release of amoxicillin. International Journal of Biological Macromolecules, 2012, 51, 45-55.	3.6	91
138	Nanostructured silver doped TiO2/CNTs hybrid as an efficient electrochemical sensor for detection of anti-inflammatory drug, cetirizine. Microchemical Journal, 2019, 150, 104124.	2.3	91
139	Membranes for dehydration of alcohols via pervaporation. Journal of Environmental Management, 2019, 242, 415-429.	3.8	91
140	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks â€“ A review. Energy Conversion and Management, 2021, 236, 114038.	4.4	91
141	Mixed matrix blend membranes of poly(vinyl alcohol)â€“poly(vinyl pyrrolidone) loaded with phosphomolybdic acid used in pervaporation dehydration of ethanol. Journal of Membrane Science, 2010, 354, 150-161.	4.1	90
142	Cyclodextrin-based siRNA delivery nanocarriers: a state-of-the-art review. Expert Opinion on Drug Delivery, 2011, 8, 1455-1468.	2.4	90
143	Poly(vinyl alcohol)-iron oxide nanocomposite membranes for pervaporation dehydration of isopropanol, 1,4-dioxane and tetrahydrofuran. Journal of Membrane Science, 2006, 283, 65-73.	4.1	89
144	Electrode materials for lithium-ion batteries. Materials Science for Energy Technologies, 2018, 1, 182-187.	1.0	89

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145	Pyrrole: Chemical Synthesis, Microwave Assisted Synthesis, Reactions and Applications: A Review. Current Organic Chemistry, 2013, 17, 2279-2304.	0.9	89
146	Concentration-dependent aggregation patterns of conjugated bile salts in aqueous sodium chloride solutions. Colloid and Polymer Science, 1983, 261, 781-785.	1.0	88
147	Thermodynamic interactions in binary mixtures of dimethyl sulfoxide with benzene, toluene, 1,3-dimethylbenzene, 1,3,5-trimethylbenzene, and methoxybenzene from 298.15 to 308.15 K. Journal of Chemical & Engineering Data, 1992, 37, 298-303.	1.0	88
148	para-Toluene sulfonic acid treated clay loaded sodium alginate membranes for enhanced pervaporative dehydration of isopropanol. Applied Clay Science, 2014, 101, 419-429.	2.6	88
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