

Mahadevappa Y Kariduraganavar

List of Publications by Year in descending order

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72
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1,752
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279701

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74
times ranked

1765
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Reflection X-ray Fluorescence Analysis of Plasma Elements in Autistic Children from India. <i>Biological Trace Element Research</i> , 2023, 201, 644-654.	1.9	3
2	Benzils: A Review on their Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	10
3	Pyridine enhances the efficiency of 1D-CdS nanowire solar cells fabricated using novel organic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128500.	2.3	8
4	Development of zeolite-A incorporated PVA/CS nanofibrous composite membranes using the electrospinning technique for pervaporation dehydration of water/ <i>tert</i> -butanol. <i>New Journal of Chemistry</i> , 2021, 45, 3981-3996.	1.4	11
5	Fabrication and Evaluation of Flexible Micro-Supercapacitor from MWCNTs-Ag Nanohybrid-Sulfonated PANI Nanocomposite Embedded PVA-TEOS Membrane. <i>ChemistrySelect</i> , 2021, 6, 3126-3138.	0.7	3
6	Novel pyrazole derivatives via ring transformations: Anti-inflammatory and antifungal activity studies. <i>Synthetic Communications</i> , 2021, 51, 3125-3140.	1.1	2
7	Microwave facilitated one-pot three component synthesis of coumarin-benzoxazole clubbed 1,2,3-triazoles: Antimicrobial evaluation, molecular docking and <i>in silico</i> ADME studies. <i>Synthetic Communications</i> , 2021, 51, 3460-3472.	1.1	14
8	Development of multilayered nanofibrous scaffolds with PCL and PVA:NaAlg using electrospinning technique for bone tissue regeneration. <i>Materialia</i> , 2020, 12, 100826.	1.3	24
9	Modification of highly brittle polystyrene sulfonic acid-co-maleic acid crosslinked sodium alginate membrane into flexible membranes by the incorporation of dibutyl phthalate as a plasticizer for pervaporation separation. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49431.	1.3	4
10	Crosslinked Nanocomposite Sodium Alginate-Based Membranes with Titanium Dioxide for the Dehydration of Isopropanol by Pervaporation. <i>Molecules</i> , 2020, 25, 1298.	1.7	12
11	Development of novel 3D scaffolds using BioExtruder by varying the content of hydroxyapatite and silica in PCL matrix for bone tissue engineering. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	21
12	Effects of different plasticizers on highly crosslinked NaAlg/PSSAMA membranes for pervaporative dehydration of <i>tert</i> -butanol. <i>New Journal of Chemistry</i> , 2020, 44, 4452-4466.	1.4	3
13	Development of nanofibrous scaffolds by varying the TiO ₂ content in crosslinked PVA for bone tissue engineering. <i>New Journal of Chemistry</i> , 2020, 44, 2111-2121.	1.4	24
14	Enhancement of nonlinear optical and thermal properties of polyurethanes by modifying the chromophores with fused heterocyclic and pyrimidine rings. <i>Polymer Engineering and Science</i> , 2019, 59, 500-509.	1.5	2
15	Click chemistry based regioselective one-pot synthesis of coumarin-3-yl-methyl-1,2,3-triazolyl-1,2,4-triazol-4-yl-ones as newer potent antitubercular agents. <i>Archiv Der Pharmazie</i> , 2019, 352, e1900013.		20
16	Development of dual drug loaded PLGA based mesoporous silica nanoparticles and their conjugation with Angiopoep-2 to treat glioma. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101157.	1.4	12
17	Synthesis, structural characterization and computational study of NLO-responsive chromophores and second-order coefficients of thermally crosslinked polymers. <i>New Journal of Chemistry</i> , 2019, 43, 15723-15735.	1.4	4
18	Preparation of transferrin-conjugated poly- ϵ -caprolactone nanoparticles and delivery of paclitaxel to treat glioblastoma across blood-brain barrier. <i>Emergent Materials</i> , 2019, 2, 463-474.	3.2	11

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19	Development of a novel SBA-15 templated mesoporous reduced graphitic oxide composite for high performance supercapacitors and fabrication of its device by an electrospinning technique. <i>New Journal of Chemistry</i> , 2019, 43, 16017-16032.	1.4	6
20	Preparation and characterization of B2SA grafted hybrid poly(vinyl alcohol) membranes for pervaporation separation of water-isopropanol mixtures. <i>Chemical Data Collections</i> , 2019, 22, 100245.	1.1	13
21	Polyelectrolyte complex membranes made of chitosan-PSSAMA for pervaporation separation of industrially important azeotropic mixtures. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 78, 383-395.	2.9	32
22	Co-delivery of paclitaxel and curcumin to foliate positive cancer cells using Pluronic-coated iron oxide nanoparticles. <i>Progress in Biomaterials</i> , 2019, 8, 155-168.	1.8	32
23	Development of novel sulfonic acid functionalized zeolites incorporated composite proton exchange membranes for fuel cell application. <i>Electrochimica Acta</i> , 2019, 296, 294-307.	2.6	43
24	A facile route for the preparation of proton exchange membranes using sulfonated side chain graphite oxides and crosslinked sodium alginate for fuel cell. <i>Polymer</i> , 2018, 142, 293-309.	1.8	32
25	Development of mesoporous carbon incorporated hybrid membranes for separation of azeotropic mixtures by pervaporation. <i>Polymer Engineering and Science</i> , 2018, 58, 405-415.	1.5	3
26	Synthesis and characterization of polyelectrolyte complex membranes for the pervaporation separation of water-isopropanol mixtures using sodium alginate and gelatin. <i>Polymer Bulletin</i> , 2018, 75, 851-875.	1.7	17
27	Development of supercapacitor systems based on binary and ternary nanocomposites using chitosan, graphene and polyaniline. <i>Chemical Data Collections</i> , 2018, 17-18, 459-471.	1.1	15
28	Synergistic delivery of 5-fluorouracil and curcumin using human serum albumin-coated iron oxide nanoparticles by folic acid targeting. <i>Progress in Biomaterials</i> , 2018, 7, 297-306.	1.8	27
29	Enhancement of fuel cell performance of sulfonated poly(arylene ether ketone) membrane using different crosslinkers. <i>Journal of Membrane Science</i> , 2018, 566, 383-395.	4.1	20
30	Development of Doxorubicin-Loaded Magnetic Silica-Pluronic F-127 Nanocarriers Conjugated with Transferrin for Treating Glioblastoma across the Blood-Brain Barrier Using an in Vitro Model. <i>ACS Omega</i> , 2018, 3, 8017-8026.	1.6	38
31	Synthesis of chromophores and polyimides with a green chemistry approach for second-order nonlinear optical applications. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2091-2102.	1.6	10
32	Development of robust proton exchange membranes for fuel cell applications by the incorporation of sulfonated β -cyclodextrin into crosslinked sulfonated poly(vinyl alcohol). <i>Electrochimica Acta</i> , 2018, 286, 350-364.	2.6	17
33	Scalable fabrication of a flexible interdigital micro-supercapacitor device by in-situ polymerization of pyrrole into hybrid PVA-TEOS membrane. <i>Electrochimica Acta</i> , 2018, 282, 469-479.	2.6	27
34	Preparation and pervaporation performance of chitosan-poly(methacrylic acid) polyelectrolyte complex membranes for dehydration of 1,4-dioxane. <i>Polymer Engineering and Science</i> , 2016, 56, 715-724.	1.5	15
35	Synthesis of thermally stable new polyurethanes containing nitro-substituted 1,3,4-oxadiazole chromophores for second order nonlinear optical applications. <i>Optik</i> , 2015, 126, 4991-5000.	1.4	4
36	Modification of crosslinked chitosan membrane using NaY zeolite for pervaporation separation of water-isopropanol mixtures. <i>Chemical Engineering Research and Design</i> , 2015, 94, 32-43.	2.7	56

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37	Synthesis and characterization of GTMAC grafted chitosan membranes for the dehydration of low water content isopropanol by pervaporation. Journal of Industrial and Engineering Chemistry, 2015, 25, 151-161.	2.9	54
38	Enhancement of pervaporation performance of composite membranes through <i>in situ</i> generation of silver nanoparticles in poly(vinyl alcohol) matrix. Journal of Applied Polymer Science, 2015, 132, .	1.3	25
39	Synthesis, characterization and dielectric properties of sulfonated poly(1,3,4-oxadiazole-ether) sulfone copolymer with functional pendant carboxylic acid groups. International Journal of Plastics Technology, 2014, 18, 192-202.	2.9	0
40	Fluorinated Poly(arylene ether-1,3,4-oxadiazole)s Containing a 4-Bromophenyl Pendant Group and Its Phosphonated Derivatives: Synthesis, Spectroscopic Characterization, Thermal and Dielectric Studies. Polymer-Plastics Technology and Engineering, 2014, 53, 97-105.	1.9	4
41	Functional Aromatic Poly(1,3,4-Oxadiazole-Ether)s with Benzimidazole Pendants: Synthesis, Thermal and Dielectric Studies. International Scholarly Research Notices, 2014, 2014, 1-8.	0.9	1
42	Synthesis and characterization of hybrid membranes using chitosan and 2-(3,4-epoxycyclohexyl) ethyltrimethoxysilane for pervaporation dehydration of isopropanol. Journal of Membrane Science, 2013, 441, 83-92.	4.1	27
43	Solving the trade-off phenomenon in separation of water- α -dioxan mixtures by pervaporation through crosslinked sodium- α -alginate membranes with polystyrene sulfonic acid-co-maleic acid. Chemical Engineering Science, 2013, 94, 84-92.	1.9	24
44	Development of novel membranes for PV separation of water- α -isopropanol mixtures using poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.1	24
45	Development of novel grafted hybrid PVA membranes using glycidyltrimethylammonium chloride for pervaporation separation of water- α -isopropanol mixtures. Journal of Industrial and Engineering Chemistry, 2013, 19, 427-437.	2.9	40
46	Novel approach for the development of pervaporation membranes using sodium alginate and chitosan-wrapped multiwalled carbon nanotubes for the dehydration of isopropanol. Journal of Membrane Science, 2013, 425-426, 77-88.	4.1	80
47	Synthesis and characterization of nonlinear optical side-chain polyimides containing the thiadiazole chromophores. Journal of Applied Polymer Science, 2012, 125, 1049-1058.	1.3	9
48	Development of novel crosslinkable polymers for second-order nonlinear optical devices. Synthetic Metals, 2011, 161, 1787-1799.	2.1	7
49	An expeditious synthesis of 1,2,4-triazolinones appended to 1,3-thiazoles using zinc triflate as catalyst. Main Group Chemistry, 2011, 10, 165-175.	0.4	4
50	Synthesis and characterization of sulfonated-poly(vinyl alcohol) membranes for the pervaporation dehydration of isopropanol. Journal of Membrane Science, 2011, 383, 224-234.	4.1	87
51	Studies on nonlinear optical polyurethanes containing heterocyclic chromophores. Journal of Molecular Structure, 2011, 987, 158-165.	1.8	11
52	Synthesis, characterization and pervaporation performance of chitosan-g-polyaniline membranes for the dehydration of isopropanol. Journal of Membrane Science, 2010, 364, 111-121.	4.1	57
53	Using an additive to control the electrospinning of fibres of poly(ϵ -caprolactone). Polymer International, 2010, 59, 827-835.	1.6	9
54	Development of Hybrid Membranes Using Chitosan and Silica Precursors for Pervaporation Separation of Water + Isopropanol Mixtures. Journal of Chemical & Engineering Data, 2010, 55, 2084-2092.	1.0	33

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55	Development of polyelectrolyte complexes of chitosan and phosphotungstic acid as pervaporation membranes for dehydration of isopropanol. <i>European Polymer Journal</i> , 2009, 45, 3116-3126.	2.6	31
56	Synthesis and characterization of thermally stable second-order nonlinear optical side-chain polyimides containing thiazole and benzothiazole push-pull chromophores. <i>Optical Materials</i> , 2009, 31, 817-825.	1.7	30
57	Synthesis and nonlinear optical properties of polyurethanes containing nitro-substituted 1,3,4-oxadiazole chromophores. <i>Synthetic Metals</i> , 2009, 159, 1812-1819.	2.1	17
58	Pervaporation dehydration of isopropyl alcohol with NaY zeolite incorporated hybrid membranes. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2043-2053.	1.3	3
59	Development of novel blocked diisocyanate crosslinked chitosan membranes for pervaporation separation of water-isopropanol mixtures. <i>Journal of Membrane Science</i> , 2007, 302, 197-206.	4.1	58
60	Modification of tetraethylorthosilicate crosslinked poly(vinyl alcohol) membrane using chitosan and its application to the pervaporation separation of water-isopropanol mixtures. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1380-1389.	1.3	29
61	Studies on molecular transport of n-alkanes through poly(tetrafluoroethylene-co-propylene) elastomeric membrane. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2228-2235.	1.3	6
62	Pervaporation separation of water-acetic acid mixtures through poly(vinyl alcohol)-silicone based hybrid membranes. <i>Journal of Membrane Science</i> , 2005, 246, 83-93.	4.1	116
63	Preparation and characterization of novel pervaporation membranes for the separation of water-isopropanol mixtures using chitosan and NaY zeolite. <i>Journal of Membrane Science</i> , 2005, 247, 75-86.	4.1	118
64	Preparation of zeolite-incorporated poly(dimethyl siloxane) membranes for the pervaporation separation of isopropyl alcohol/water mixtures. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1377-1387.	1.3	25
65	Synthesis and characterization of hybrid membranes using poly(vinyl alcohol) and tetraethylorthosilicate for the pervaporation separation of water-isopropanol mixtures. <i>Journal of Applied Polymer Science</i> , 2004, 94, 1304-1315.	1.3	91
66	Molecular migration of aromatic liquids into a commercial fluoroelastomeric membrane at 30, 40, and 50°C. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3100-3106.	1.3	14
67	Sorption, diffusion, and pervaporation separation of water-acetic acid mixtures through the blend membranes of sodium alginate and guar gum-grafted-polyacrylamide. <i>Journal of Applied Polymer Science</i> , 2002, 83, 259-272.	1.3	62
68	A new analytical method to calculate intrinsic viscosity and viscosity constants of polymer-solvent systems. <i>Journal of Applied Polymer Science</i> , 2002, 83, 283-290.	1.3	8
69	In Vitro Release Study of Verapamil Hydrochloride Through Sodium Alginate Interpenetrating Monolithic Membranes. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 1107-1114.	0.9	22
70	Density, Viscosity, Refractive Index, and Speed of Sound of Ternary Systems: Polystyrene in 1,4-Dioxane + Tetrahydrofuran Mixtures at (298.15, 303.15, and 308.15) K. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 920-925.	1.0	19
71	Nonlinear Optical Responsive Molecular Switches. , 0, , .		4
72	Synthesis of crosslinked composite membranes by functionalization of single-walled carbon nanotubes with 1,4-butanediol sultone and sulfanilic acid for fuel cell. <i>Journal of Applied Polymer Science</i> , 0, , 52388.	1.3	4