

# A A Prabu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Piezoelectric sensor based on electrospun poly(vinylidene fluoride)/sulfonated poly(1,4-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 T	2.6	4
2	Synthesis of Aromatic Hyperbranched Polymer Based on Diphenolic Acid and Pentaerythritol: Reaction Kinetics Using FTIR Technique. ECS Transactions, 2022, 107, 11137-11144.	0.5	1
3	Chemistry and Applications of Organosilanes " An Overview. ECS Transactions, 2022, 107, 14539-14546.	0.5	1
4	A Review on Electrospun PVDF-Doped Metal Oxide Nanoparticles for Sensor Applications. ECS Transactions, 2022, 107, 14675-14685.	0.5	2
5	Phase Transition in PVDF-TrFE/Hyperbranched Polyester (90/10) Blend Thin Film During Heating-Cooling Cycle Using FTIR Spectroscopy. ECS Transactions, 2022, 107, 9445-9452.	0.5	0
6	New Evaluation Methods of Average Molecular Weight and the Degree of Branching of Poly(1,4-phenylene sulfide) Samples through Their Partial Sulfonation. Fibers and Polymers, 2022, 23, 900-913.	2.1	1
7	A Review on Electrospun PVDF-Metal Nanoparticle Composites for Electronic Applications. ECS Transactions, 2022, 107, 13289-13298.	0.5	2
8	A Mini-Review on the Synthesis, Characterization and Applications of End-capped Hyperbranched Polymers. ECS Transactions, 2022, 107, 11351-11360.	0.5	0
9	Development of energy harvesting piezoelectric sensors based on electrospun polyvinylidene fluoride/aliphatic hyperbranched polyester (Gen-1) (80/20) blend. Materials Today: Proceedings, 2021, 47, 914-920.	1.8	3
10	Studies on electrospun polyvinylidene fluoride/aromatic hyperbranched polyester (gen-1) blend nanoweb for energy harvesting applications. Materials Today: Proceedings, 2021, 47, 885-888.	1.8	3
11	Studies on electrospun polyvinylidene fluoride/aliphatic hyperbranched polyester (3rd gen) based piezoelectric sensors. Materials Today: Proceedings, 2021, 47, 950-956.	1.8	1
12	Electrospun Polyvinylidene Fluoride" Magnesiochromite Nanofiber-Based Piezoelectric Nanogenerator for Energy Harvesting Applications. ACS Applied Polymer Materials, 2021, 3, 4879-4888.	4.4	15
13	Piezoelectric-piezocapacitive hybrid sensor based on electrospun Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 T Sensors and Actuators A: Physical, 2021, 331, 112993.	4.1	11
14	Electrospun Polyvinylidene Fluoride-Polyoctafluoropentyl Acrylate-Hydroxyapatite Blend Based Piezoelectric Pressure Sensors. Macromolecular Research, 2019, 27, 743-749.	2.4	24
15	Infrared spectroscopic studies on crystalline phase transition of PVDF and PVDF/hyperbranched polyester blend ultrathin films. Vibrational Spectroscopy, 2018, 94, 74-82.	2.2	10
16	UV and thermally stable polystyrene-MWCNT superhydrophobic coatings. Surface and Interface Analysis, 2017, 49, 93-98.	1.8	1
17	Piezoelectric characteristics of electrospun PVDF as a function of phase-separation temperature and metal salt content. Macromolecular Research, 2017, 25, 981-988.	2.4	32
18	Transparent hydrophobic and superhydrophobic coatings fabricated using polyamide 12" SiO<sub>2</sub> nanocomposite. Surface and Interface Analysis, 2017, 49, 427-433.	1.8	10

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19	Electrospun polyvinylidene fluoride-polyoctafluoropentyl acrylate blend based piezocapacitive pressure sensors. <i>Macromolecular Research</i> , 2016, 24, 670-674.	2.4	26
20	Hyperbranched polyester as a crosslinker in polyurethane formation: real-time monitoring using in situ FTIR. <i>Polymer Bulletin</i> , 2016, 73, 2867-2888.	3.3	13
21	Preparation and evaluation of poly(vinylidene fluoride)-sulfonated poly(1,4-phenylene sulfide) based membranes with improved hydrophilicity. <i>Macromolecular Research</i> , 2015, 23, 86-93.	2.4	11
22	Piezoelectric properties of electrospun poly(L-lactic acid) nanofiber web. <i>Materials Letters</i> , 2015, 148, 58-62.	2.6	77
23	Synthesis and Characterization of Some New Metallo-Organic Derivatives of Germanium(IV). <i>Asian Journal of Chemistry</i> , 2014, 26, 2019-2021.	0.3	0
24	Miscibility, crystallization and annealing studies of poly(vinylidene fluoride)/hyperbranched polyester blends. <i>Polymer</i> , 2014, 55, 886-895.	3.8	29
25	Effect of Stirring on Hydrophobicity of PVDF/CNT Nanocomposite Coatings. <i>Advanced Materials Research</i> , 2014, 938, 199-203.	0.3	5
26	Dyeing behavior of chemically modified poly(1,4-phenylene sulfide) fiber towards disperse, anionic, and cationic dyes. <i>Fibers and Polymers</i> , 2014, 15, 1168-1174.	2.1	4
27	Effect of Thermal Cycling on the Ferroelectric Characteristics of Vinylidene Fluoride-Trifluoroethylene Copolymer Thin Films. <i>Advanced Materials Research</i> , 2012, 584, 201-204.	0.3	1
28	Effect of Cadmium Chloride and Ammonium Chloride Salts on the Enthalpy of Mixing of Pyridine + Water at 303.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1-6.	1.9	1
29	Influence of the organic electrolyte and anodization conditions on the preparation of well-aligned TiO <sub>2</sub> nanotube arrays in dye-sensitized solar cells. <i>Solar Energy</i> , 2011, 85, 1551-1559.	6.1	35
30	Effect of Dissolved Cadmium Chloride and Ammonium Chloride Salts on the Enthalpy of Mixing of the Methanol + Benzene System at 303.15 K. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 995-999.	3.5	2
31	Annealing effect upon chain orientation, crystalline morphology, and polarizability of ultra-thin P(VDF-TrFE) film for nonvolatile polymer memory device. <i>Polymer</i> , 2010, 51, 6319-6333.	3.8	80
32	Effect of Dissolved Inorganic Salts on the Enthalpy of Mixing of the Ethanol + Pyridine System at 303.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 3567-3571.	1.9	4
33	A systematic approach to data-driven modeling and soft sensing in a full-scale plant. <i>Water Science and Technology</i> , 2009, 60, 363-370.	2.5	13
34	Preparation and characterization of nylon 6/organoclay nanocomposite filament fibers. <i>Polymer Composites</i> , 2009, 30, 265-273.	4.6	10
35	Deterioration in mechanical properties of glass fiber-reinforced nylon 6,6 composites by aqueous calcium chloride mixture solutions. <i>Polymer Composites</i> , 2009, 30, 481-489.	4.6	9
36	Effect of thickness on the crystallinity and Curie transition behavior in P(VDF/TrFE) (72/28) copolymer thin films using FTIR-transmission spectroscopy. <i>Vibrational Spectroscopy</i> , 2009, 49, 101-109.	2.2	43

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37	UCST-Type Phase Separation and Crystallization Behavior in Poly(vinylidene fluoride)/Poly(methyl Tj ETQq1 1 0.784314 rgBT <sub>28</sub> /Overlock	4.8	28
38	Effect of Dissolved Salts on the Enthalpy of Mixing of the Methanol + Formic Acid System at 303.15 K. Journal of Chemical & Engineering Data, 2009, 54, 4-7.	1.9	7
39	Determination and Correlation of Excess Enthalpies of Mixing of Ethyl Acetate/Benzene Mixtures Containing Dissolved Inorganic Salts at 303.15 K. Journal of Chemical Engineering of Japan, 2009, 42, 485-489.	0.6	4
40	Physical properties of poly(trimethylene terephthalate)/organoclay nanocomposites obtained via melt compounding and in situ polymerization. Polymer Composites, 2008, 29, 1328-1336.	4.6	10
41	Metal Salt-Induced Ferroelectric Crystalline Phase in Poly(vinylidene fluoride) Films. Macromolecular Rapid Communications, 2008, 29, 1316-1321.	3.9	66
42	Salt Effect on the Enthalpy of Mixing of 1,4-Dioxane + Formic Acid at 303.15 K. Journal of Chemical & Engineering Data, 2008, 53, 966-969.	1.9	7
43	Phase Separation and Crystallization Behavior of Poly(vinylidene fluoride)/Poly(1,4-butylene adipate) Blends under an Electric Field. Macromolecules, 2008, 41, 3598-3604.	4.8	16
44	Fabrication and Electrical Studies of P(VDF/TrFE)(72/28) Copolymer based Non-Volatile Memory Devices as a Function of Varying Device Structures. Materials Research Society Symposia Proceedings, 2008, 1071, 1.	0.1	0
45	Comparative electrical bistable characteristics of ferroelectric poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (the Physics Letters, 2008, 93, 182902.	3.3	30

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#	ARTICLE	IF	CITATIONS
55	Spin-Coating Temperature Induced Changes in Ferroelectric Crystallinity in Polyvinylidene Fluoride Ultrathin Films. <i>Advanced Materials Research</i> , 0, 584, 197-200.	0.3	9