

# Pudupadi R Sundararajan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9066029/publications.pdf>

Version: 2024-02-01

26  
papers

343  
citations

687363

13  
h-index

839539

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Double Hydrogen Bonds and Alkyl Chains on the Gelation of Nonchiral Polyurethane Model Compounds: Sheets, Eaves Trough, Tubes and Oriented Fibers. <i>Langmuir</i> , 2009, 25, 13183-13193.	3.5	36
2	Influence of Single versus Double Hydrogen-Bonding Motif on the Crystallization and Morphology of Self-Assembling Carbamates with Alkyl Side Chains: A Model System for Polyurethanes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15251-15260.	2.6	28
3	Synthesis and characterization of polyimide/polyhedral oligomeric silsesquioxane nanocomposites containing quinolyl moiety. <i>Polymer International</i> , 2012, 61, 1344-1352.	3.1	27
4	Solvent Mixture Induced Self Assembly of a Terthiophene Based Rod-Coil Block Co-oligomer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8458-8464.	2.6	24
5	Morphology and Thermal Behavior of Self-Assembling Carbamates. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8416-8423.	2.6	22
6	Molecular Selectivity and Immiscibility During the Crystallization of Mixtures of a Set of Homologous Self-Assembling Molecules. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4223-4232.	2.6	17
7	Encapsulation of Dye Molecules and Nanoparticles in Hollow Organogel Fibers of a Nonchiral Polyurethane Model Compound. <i>Chemistry - A European Journal</i> , 2011, 17, 1184-1192.	3.3	17
8	Solvent-dependent nanostructures of gels of a Gemini surfactant based on perylene diimide spacer and oligostyrene tails. <i>European Polymer Journal</i> , 2014, 61, 113-123.	5.4	17
9	Thermo-reversible gelation of rod-coil and coil-rod-coil molecules based on poly(dimethyl siloxane) and perylene imides and self-sorting of the homologous pair. <i>Soft Matter</i> , 2014, 10, 5337.	2.7	17
10	Effects of Spacer Length and Terminal Group on the Crystallization and Morphology of Biscarbamates: A Longer Spacer Does Not Reduce the Melting Temperature. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5705-5717.	2.6	16
11	Thermoreversible Physical Gels of Poly(dimethylsiloxane) without Cross-Links or Functionalization. <i>Langmuir</i> , 2013, 29, 8452-8458.	3.5	15
12	Domains of Colloidal Size, Mediated by Self-Assembly of Small Molecules in a Polymer Matrix: A Three-Level Hierarchy of Assembly. <i>Langmuir</i> , 2007, 23, 4709-4711.	3.5	14
13	Monomer self assembly and organo-gelation as a route to fabricate cyanate ester resins and their nanocomposites with carbon nanotubes. <i>European Polymer Journal</i> , 2015, 68, 161-174.	5.4	14
14	Preclusion of nano scale self-assembly in block-selective non-aqueous solvents for rod-coil and coil-coil macromolecular surfactants based on perylene tetracarboxylic diimide. <i>European Polymer Journal</i> , 2012, 48, 1538-1554.	5.4	13
15	Solvent-induced cocrystallization of the $\hat{1}\pm$ (threefold helical) and $\hat{1}^2$ (extended) structures of isotactic polystyrene: determination of x-ray crystallinity and disorder parameter. <i>Macromolecules</i> , 1984, 17, 2296-2303.	4.8	12
16	Polymer compatibilized self-assembling perylene derivatives. <i>European Polymer Journal</i> , 2015, 65, 4-14.	5.4	10
17	Small molecule self-assembly in polymer matrices. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 451-478.	2.1	8
18	Tubular or Subsurface Morphology of Octabutoxyphthalocyanine upon Self-Assembly in Polymer Matrices: Effect of the Casting Solvent. <i>Chemistry - A European Journal</i> , 2011, 17, 6098-6108.	3.3	6

#	ARTICLE	IF	CITATIONS
19	Two component gels of immiscible blends of biscarbamates (polyurethane model compounds) and poly( $\mu$ -caprolactone). <i>Soft Matter</i> , 2012, 8, 10149.	2.7	6
20	Nano-scale self-assembly impeded by CH $\pi$ - $\pi$ interaction in block selective solvents in the case of oligostyrene- $\epsilon$ -perylene diimide-oligostyrene (coil-rod-coil) molecule. <i>European Polymer Journal</i> , 2013, 49, 2042-2051.	5.4	5
21	Re-Plasticization by Confinement During Annealing Induced Phase Separation in Polycarbonate/Phthalate Plasticized Films. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 354-363.	2.2	4
22	Inhibiting the Self-Sorting Behavior in the Blends of a Homologous Set of Polyurethane Model Compounds. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9253-9263.	2.6	4
23	Thermal and mechanical properties of epoxy blends with a dicyanate ester containing a quinoline moiety. <i>New Journal of Chemistry</i> , 2018, 42, 11202-11212.	2.8	4
24	Microwave-assisted ionic liquid phase synthesis of phthalonitrile polymers. <i>Journal of Polymer Engineering</i> , 2011, 31, .	1.4	3
25	Co-Assembly and Self-Sorting Effects in Gels of Blends of Polyurethane Model Compounds. <i>ChemistrySelect</i> , 2017, 2, 1149-1157.	1.5	3
26	Effect of the type of thermoplastic elastomer and solvent on the morphology and mechanical properties of polycarbonate blends. <i>Polymer Engineering and Science</i> , 2006, 46, 69-79.	3.1	1