Tharanikkarasu Kannan

List of Publications by Year in Descending Order

43 papers	643 citations	15 h-index	24 g-index
47 ext. papers	781 ext. citations	3.8 avg, IF	4.1 L-index

#	Paper	IF	Citations
43	First-in-class pyrido[2,3-d]pyrimidine-2,4(1H,3H)-diones against leishmaniasis and tuberculosis: Rationale, in vitro, ex vivo studies and mechanistic insights.. *Archiv Der Pharmazie*, **2022**, e2100440	4.3	0
42	Acetylene containing 2-(2-hydrazinyl)thiazole derivatives: design, synthesis, and and evaluation of antimycobacterial activity against .. *RSC Advances*, **2022**, 12, 8771-8782	3.7	0
41	Advances in Nucleoside and Nucleotide Analogues in Tackling Human Immunodeficiency Virus and Hepatitis Virus Infections. *ChemMedChem*, **2021**, 16, 1403-1419	3.7	6
40	Metal-Free and Regioselective Synthesis of Substituted and Fused Chromenopyrrole Scaffolds the Divergent Reactivity of Azido Ketones in Water. *Journal of Organic Chemistry*, **2020**, 85, 9631-9649	4.2	6
39	Indole chalcones: Design, synthesis, in vitro and in silico evaluation against Mycobacterium tuberculosis. *European Journal of Medicinal Chemistry*, **2020**, 198, 112358	6.8	19
38	Therapeutic potential of uracil and its derivatives in countering pathogenic and physiological disorders. *European Journal of Medicinal Chemistry*, **2020**, 207, 112801	6.8	6
37	In silico pharmacokinetic and molecular docking studies of natural flavonoids and synthetic indole chalcones against essential proteins of SARS-CoV-2. *European Journal of Pharmacology*, **2020**, 886, 173448	5.3	51
36	Thiosemicarbazone derivatives: Design, synthesis and in vitro antimalarial activity studies. *European Journal of Pharmaceutical Sciences*, **2019**, 137, 104986	5.1	16
35	InCl3-Assisted Eco-Friendly Approach for N-Fused 1,4-Dihydropyridine Scaffolds via Ring Opening Michael Addition of Cyclic Nitroketene and Iminocoumarin: Synthesis and DFT Studies. *ChemistrySelect*, **2018**, 3, 2070-2079	1.8	4
34	In vitro and in silico antimalarial activity of 2-(2-hydrazinyl)thiazole derivatives. *European Journal of Pharmaceutical Sciences*, **2014**, 52, 138-45	5.1	43
33	2-Aminothiazole derivatives as antimycobacterial agents: Synthesis, characterization, in vitro and in silico studies. *European Journal of Medicinal Chemistry*, **2014**, 87, 643-56	6.8	31
32	Polymer-Montmorillonite Nanocomposites Through Controlled Radical Polymerization Using (4-Vinylbenzyl) Triethylammonium Anchored Organo-Montmorillonite. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2014**, 51, 931-940	2.2	2
31	Dimethylaminoethyl Methacrylate Functionalized Montmorillonite for the Preparation of Polymer-Montmorillonite Nanocomposites Through Iniferter-based Controlled Radical Polymerization of Methylmethacrylate and Styrene. *Polymer-Plastics Technology and Engineering*, **2014**, 53, 604-612		3
30	Synthesis and characterization of covalently-grafted graphene polyaniline nanocomposites and its use in a supercapacitor. *Chemical Engineering Journal*, **2013**, 231, 397-405	14.7	80
29	2-(2-Hydrazinyl)thiazole derivatives: design, synthesis and in vitro antimycobacterial studies. *European Journal of Medicinal Chemistry*, **2013**, 69, 564-76	6.8	72
28	Highly active novel Ni-diimine pre-catalyst containing bis-ketimine ligand for the vinyl polymerization of norbornene. *Polymer Bulletin*, **2012**, 68, 635-645	2.4	4
27	Novel ABA type gold copolymer nanoparticles: PNIPAAm-b-PU-b-PNIPAAm tri-block nanopolymer as reducing and stabilizing agent **2012**,		1

26	Synthesis and characterization of ABA-type amphiphilic tri-block copolymers through anionic polymerization using end functionalized poly(ethylene oxide) oligomers. *Journal of Polymer Science Part A*, **2011**, 49, 1376-1386	2.5	3
25	Self-assembled tetranuclear metallacyclic chair using orthogonal tritopic acceptors, angular ditopic donors, and bischelating bridging motifs. *Inorganic Chemistry Communication*, **2011**, 14, 374-376	3.1	20
24	A novel tertiary bromine-functionalized thermal iniferter for controlled radical polymerization. *Polymer Journal*, **2010**, 42, 916-922	2.7	10
23	A Novel Single-Site Catalyst for Olefin Polymerization. *Materials Science Forum*, **2010**, 657, 83-87	0.4	
22	Atom Transfer Radical Polymerization of Methyl Methacrylate Using Telechelic Tribromo Terminated Polyurethane Macroinitiator. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2010**, 47, 407-415	2.2	7
21	Synthesis and characterization of amphiphilic and hydrophobic ABA-type tri-block copolymers using telechelic polyurethane as atom transfer radical polymerization macroinitiator. *Colloid and Polymer Science*, **2010**, 288, 181-188	2.4	11
20	Novel AB crosslinked polymer networks from telechelic 4-vinylbenzyl carbamate terminated polyurethanes and different vinyl monomers. *Polymers for Advanced Technologies*, **2009**, 20, 892-898	3.2	2
19	Telechelic Multifunctional Polyurethane-Based Macroinitiator for the Synthesis of Polystyrene-block-Polyurethane-block-Polystyrene Tri-Block Copolymers via Atom Transfer Radical Polymerization. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2008**, 46, 179-185	2.2	3
18	Synthesis and characterization of novel polystyrene-block-polyurethane-block-polystyrene tri-block copolymers through atom transfer radical polymerization. *Polymer International*, **2008**, 57, 226-232	3.3	14
17	Novel poly(methyl methacrylate)-block-polyurethane-block-poly(methyl methacrylate) tri-block copolymers through atom transfer radical polymerization. *Journal of Applied Polymer Science*, **2008**, 108, 1538-1544	2.9	11
16	Novel Telechelic 2-Methyl-2-Bromopropionate Terminated Polyurethane Macroinitiator for the Synthesis of ABA type Tri-block Copolymers through Atom Transfer Radical Polymerization of Methyl Methacrylate. *Polymer Journal*, **2008**, 40, 867-874	2.7	12
15	Synthesis of tri-block copolymers through reverse atom transfer radical polymerization of methyl methacrylate using polyurethane macroiniferter. *EXPRESS Polymer Letters*, **2008**, 2, 579-588	3.4	8
14	Sulfonated polyimide and poly (ethylene glycol) diacrylate based semi-interpenetrating polymer network membranes for fuel cells. *Journal of Applied Polymer Science*, **2007**, 104, 2965-2972	2.9	20
13	Novel AB crosslinked polymer networks based on 1-vinylimidazole- terminated polyurethane and poly(methyl methacrylate). *Polymer International*, **2006**, 55, 1209-1214	3.3	6
12	Aqueous dispersions of polyurethane polyacrylic acid multiblock copolymers through living radical polymerization. *Journal of Applied Polymer Science*, **2003**, 87, 1109-1115	2.9	9
11	Aqueous dispersions of poly(urethane-co-vinylpyridine) synthesised from polyurethane macroiniferter. *Colloid and Polymer Science*, **2002**, 280, 915-921	2.4	22
10	AB crosslinked polymers based on cationomeric polyurethane and poly(methyl methacrylate): Static and dynamic mechanical studies. *Journal of Applied Polymer Science*, **2001**, 81, 813-821	2.9	5
9	Silacyclobutane as Carbanion Pump in Anionic Polymerization. 2. Effective Trapping of the Initially Formed Carbanion by Diphenylethylene. *Macromolecules*, **2001**, 34, 4384-4389	5.5	30

8	Silacyclobutanes as "Carbanion Pump" in Anionic Polymerization I. Anionic Polymerization of Styrene by Potassium t-Butoxide in the Presence of Silacyclobutanes. *Polymer Journal*, **2000**, 32, 527-530	2.7	18
7	New Selectively N-Substituted Quaternary Ammonium Chitosan Derivatives. *Polymer Journal*, **2000**, 32, 334-338	2.7	23
6	Polyurethane-polymethacrylic acid multiblock copolymer dispersions through polyurethane macroiniferters. *Colloid and Polymer Science*, **1999**, 277, 285-290	2.4	17
5	Modification of aqueous polyurethane dispersions via tetraphenylethane iniferters. *Journal of Applied Polymer Science*, **1999**, 73, 2993-3000	2.9	18
4	Multi-block copolymer dispersions through polyurethane macroiniferters. *Polymer Bulletin*, **1998**, 40, 675-681	2.4	7
3	Polyurethane-polymethacrylic acid multi-block copolymers and their anionomers through "living" radical mechanism. *Polymer Bulletin*, **1996**, 37, 711-717	2.4	6
2	A novel polyurethane macroinitiator for free radical polymerization. *European Polymer Journal*, **1994**, 30, 1351-1355	5.2	14
1	Polyelectrolyte proton exchange membranes: synthesis and characterization of sulfonated polyimide membranes using novel stilbene-containing diamine. *Polymer Bulletin*,1	2.4	0