

Sreekumar K

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Amine Functionalized Dendronized Polymer as a Homogeneous Base Catalyst for the Synthesis of Polyhydroquinolines and 4-Arylidene-3-Methylisoxazol-5(4H)-Ones. <i>Catalysis Letters</i> , 2022, 152, 2457-2469.	2.6	3
2	Green synthesis of dihydropyrano[3,2-c]chromene derivatives using amino-terminated PAMAM dendrimer as catalyst. <i>Research on Chemical Intermediates</i> , 2022, 48, 379-399.	2.7	2
3	Sustainable and selective synthesis of benzimidazole scaffolds using deep eutectic solvents. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100285.	5.6	8
4	Neoteric deep eutectic solvents: history, recent developments, and catalytic applications. <i>Soft Matter</i> , 2022, 18, 2695-2721.	2.7	31
5	Low melting mixtures: neoteric solvents and/or catalysts for a green approach in organic reactions. <i>Mini-Reviews in Organic Chemistry</i> , 2022, 19, .	1.3	0
6	Synthesis of Quinoline and Polyhydroquinoline Derivatives Using Phloroglucinol Cored Amino Functionalized Dendritic Polymer as Catalyst. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
7	Heterogeneous palladium (II)-complexed dendronized polymer: A rare palladium catalyst for the one-pot synthesis of 2-arylbenzoxazoles. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6083.	3.5	4
8	Enantioselective Diels-Alder reaction catalyzed by clay supported Schiff base complex. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 153-160.	2.6	5
9	Multi-arm dendronized polymer as a unimolecular micelle: Synthesis, characterization and application as organocatalyst in the synthesis of N-unsubstituted 1,2,3-triazoles. <i>Reactive and Functional Polymers</i> , 2021, 160, 104827.	4.1	10
10	A study on the physical properties of low melting mixtures and their use as catalysts/solvent in the synthesis of barbiturates. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1849-1860.	2.6	6
11	Ethylene Glycol: Urea: NH ₄ Cl Low Melting Mixture-Assisted Reactions between Aromatic Aldehydes and Active Methylene Compounds. <i>ChemistrySelect</i> , 2021, 6, 7150-7157.	1.5	0
12	Efficient synthesis of piperidine derivatives using dendrimer based catalytical pockets. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 2348-2358.	2.6	2
13	Sustainable synthesis of 1,8-dioxooctahydroxanthenes in deep eutectic solvents (DESs). <i>New Journal of Chemistry</i> , 2021, 45, 8335-8344.	2.8	13
14	Deep eutectic solvent for the synthesis of (E)- Nitroalkene via microwave assisted Henry reaction. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100187.	5.6	4
15	Deep eutectic solvent assisted synthesis of dihydropyrimidinones/thiones via Biginelli reaction: theoretical investigations on their electronic and global reactivity descriptors. <i>New Journal of Chemistry</i> , 2021, 45, 20765-20775.	2.8	11
16	Sustainable multicomponent one pot synthesis of pyranopyrazole derivatives in the presence of Lactic acid: Urea: NH ₄ Cl. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100194.	5.6	3
17	Novel Carboxylic Acid Functionalized Dendronized Polymer: A Homogeneous, Reusable Metal Free Acid Catalyst for the Synthesis of Symmetric and Unsymmetric Xanthene Derivatives. <i>ChemistrySelect</i> , 2021, 6, 13832-13841.	1.5	1
18	Study of polycarbosilane-supported copper(II) as a heterogeneous catalyst. <i>Polymer Bulletin</i> , 2020, 77, 153-163.	3.3	4

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19	A polyamine dendritic polymer-copper complex: a reusable catalyst for the additive-free amination of aryl bromides, and iodides. <i>New Journal of Chemistry</i> , 2020, 44, 1477-1484.	2.8	2
20	Green synthesis of pyrazolopyranopyrimidinone and pyranopyrazole derivatives using porphyrin-initiated amine-functionalized PolyBCMO dendritic polymer as sonocatalyst. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 197-209.	2.6	18
21	Development of homogeneous polyamine organocatalyst for the synthesis of 2-aryl-substituted benzimidazole and benzoxazole derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 3310-3317.	2.6	15
22	Experimental Investigation on the Correlation between the Physicochemical Properties and Catalytic Activity of Six DESs in the Kabachnik-Fields Reaction. <i>ChemistrySelect</i> , 2020, 5, 13454-13460.	1.5	9
23	A new type IV DES: a competent green catalyst and solvent for the synthesis of α,β -unsaturated diketones and dicyano compounds by Knoevenagel condensation reaction. <i>New Journal of Chemistry</i> , 2020, 44, 14723-14732.	2.8	19
24	Dendrimer with Interior Cavity as Catalytic Pockets for Substrate Molecules: Synthesis of Bisimidazoles and Molecular Docking Study. <i>ChemistrySelect</i> , 2020, 5, 5055-5065.	1.5	1
25	Azide functionalized porphyrin based dendritic polymers for <i>in vivo</i> monitoring of Hg^{2+} ions in living cells. <i>Analytical Methods</i> , 2020, 12, 2995-3003.	2.7	2
26	Convenient Synthesis of Dihydropyridine and Dihydropyrimidinethione Derivatives Using a Porphyrin Cored G1 PAMAM Dendrimer as a Homogeneous Catalyst. <i>ChemistrySelect</i> , 2020, 5, 506-514.	1.5	4
27	Amphiphilic Dendrimer as Reverse Micelle: Synthesis, Characterization and Application as Homogeneous Organocatalyst. <i>Tetrahedron</i> , 2019, 75, 130676.	1.9	9
28	Glucose:urea:NH ₄ Cl low melting mixture for the synthesis of symmetric azines. <i>Synthetic Communications</i> , 2019, 49, 3148-3160.	2.1	6
29	Synthesis of heterogeneous catalysts and study of its catalytic activity towards Henry reaction and Asymmetric aldol reaction. <i>Materials Today: Proceedings</i> , 2019, 9, 46-53.	1.8	3
30	Porphyrin Cored Amine Functionalized Dendritic Polymer: An Efficient Reusable Catalyst for Quinoline Synthesis. <i>ChemistrySelect</i> , 2019, 4, 5897-5902.	1.5	5
31	Solar cells with high open circuit voltage using thiophene based synthesized copolymer. <i>AIP Conference Proceedings</i> , 2019, . .	0.4	0
32	Heterogeneous High-Loading Hyperbranched Polyglycidol with Peripheral NHC-Pd Complex: Synthesis and Application as Catalyst in Suzuki Coupling Reaction. <i>Catalysis Letters</i> , 2019, 149, 1952-1964.	2.6	13
33	A novel dendritic polymer based turn-off fluorescence sensor for the selective detection of cyanide ion in aqueous medium. <i>Reactive and Functional Polymers</i> , 2019, 137, 71-78.	4.1	22
34	Photophysical and photoconductive aspects of donor-acceptor low band gap conjugated copolymer. <i>Optical Materials</i> , 2018, 84, 813-820.	3.6	4
35	A New Green and Efficient Brønsted: Lewis Acidic DES for Pyrrole Synthesis. <i>Catalysis Letters</i> , 2018, 148, 2359-2372.	2.6	35
36	Heterogeneous dendronized polymer with peripheral copper moieties: From synthesis to catalysis and comparison with dendrigraft polymer. <i>Polymer</i> , 2017, 120, 100-110.	3.8	6

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37	Dendritic Amine on Mesoporous Silica: First Organo Base Catalyst for Paal Knorr Reaction under Solvent Free Condition, A green approach. <i>Catalysis Letters</i> , 2017, 147, 964-975.	2.6	10
38	Chiral dendrigraft polymer for asymmetric synthesis of isoquinuclidines. <i>RSC Advances</i> , 2016, 6, 85643-85658.	3.6	4
39	Highly functionalized heterogeneous dendrigraft catalysts with peripheral copper moieties for the facile synthesis of 2-substituted benzimidazoles and 2,2-disubstituted benzimidazoles. <i>RSC Advances</i> , 2016, 6, 18141-18155.	3.6	18
40	Dendrimer functionalized polysilane: An efficient and recyclable organocatalyst. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
41	Facile synthesis of pyranopyrazoles and 3,4-dihydropyrimidin-2(1H)-ones by a Ti-grafted polyamidoamine dendritic silica hybrid catalyst via a dual activation route. <i>RSC Advances</i> , 2015, 5, 101776-101788.	3.6	27
42	Third-order nonlinear optical properties of 3,4-ethylenedioxythiophene copolymers with chalcogenadiazole acceptors. <i>New Journal of Chemistry</i> , 2015, 39, 2795-2806.	2.8	26
43	Synthesis and third-order nonlinear optical properties of low band gap 3,4-ethylenedioxythiophene-quinoline copolymers. <i>European Polymer Journal</i> , 2015, 64, 157-169.	5.4	14
44	Theoretical and experimental investigations on the photoconductivity and nonlinear optical properties of donor-acceptor π conjugated copolymer, poly(2,5-(3,4-ethylenedioxythiophene)-alt-2,7-(9,9-dioctylfluorene)). <i>RSC Advances</i> , 2015, 5, 8657-8668.	3.6	19
45	Palladium(II) supported on polycarbosilane: Application as reusable catalyst for Heck reaction. <i>Journal of Molecular Catalysis A</i> , 2015, 407, 87-92.	4.8	15
46	Synthesis of on resin poly(propylene imine) dendrimer and its use as organocatalyst. <i>Tetrahedron Letters</i> , 2014, 55, 2352-2354.	1.4	25
47	Synthesis and application of polycarbosilane supported manganese ions as catalyst in mannich reaction. <i>Journal of Applied Polymer Science</i> , 2013, 127, 717-723.	2.6	8
48	Supported and Reusable Organocatalysts. , 2013, , 343-364.		3
49	Polycarbosilane-supported titanium(IV) catalyst for Knoevenagel condensation reaction. <i>Applied Organometallic Chemistry</i> , 2013, 27, 73-78.	3.5	19
50	Clay supported titanium catalyst for the solvent free synthesis of tetrasubstituted imidazoles and benzimidazoles. <i>Journal of Molecular Catalysis A</i> , 2013, 376, 34-39.	4.8	37
51	Fabrication and characterization of MEH-PPV based bulk-heterojunction solar cell using spray deposited indium sulfide electron selective layer. , 2012, , .		0
52	Spray pyrolysed In_2S_3 thin films: A potential electron selective layer for large area inverted bulk-heterojunction polymer solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 199-203.	1.8	8
53	Effect of concentration of DYE on the storage life of plane wave gratings on photopolymer film. <i>Journal of Applied Polymer Science</i> , 2012, 125, 1238-1243.	2.6	8
54	Theoretical and experimental studies of chiral polyurethanes. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	2

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55	Synthesis of β -amino alcohols catalyzed by poly(vinyl chloride)-supported Schiff base metal complexes. Monatshefte für Chemie, 2012, 143, 637-642.	1.8	6
56	Acetalation of Pentaerithritol Catalyzed by an Al-Pillared Saponite. Catalysis Letters, 2011, 141, 1118-1122.	2.6	9
57	Hyperpolarizability studies of some nonconjugated twin donor-acceptor molecules. Bulletin of Materials Science, 2011, 34, 893-897.	1.7	0
58	Optical and thermal properties of diethyl-(2R, 3R) (+)-tartrate based chiral polyurethanes with main chain amido chromophores. Journal of Applied Polymer Science, 2011, 119, 111-119.	2.6	6
59	Recording multiple holographic gratings in silver-doped photopolymer using peristrophic multiplexing. Pramana - Journal of Physics, 2010, 75, 1241-1247.	1.8	1
60	Isosorbide based chiral polyurethanes: optical and thermal studies. Journal of Materials Science, 2010, 45, 1912-1920.	3.7	27
61	Synthesis and Characterization of Polystyrene Supported Catalytically Active Poly(amidoamine) Dendrimer-Palladium Nanoparticle Conjugates. Soft Materials, 2010, 8, 114-129.	1.7	17
62	Peristrophic multiplexing studies in silver doped photopolymer film. Journal of Modern Optics, 2010, 57, 908-913.	1.3	4
63	Synthesis and Properties of Polyurethanes of Hexamethylene Di-Isocyanate with Multifunctional Chromophores in the Main Chain. International Journal of Polymeric Materials and Polymeric Biomaterials, 2009, 58, 160-166.	3.4	5
64	Effect of chromium doping on the diffraction efficiency of methylene blue sensitized PVA/acrylamide films. Journal of Materials Science: Materials in Electronics, 2009, 20, 216-220.	2.2	7
65	Polystyrene-supported poly(amidoamine) dendrimer-manganese complex: Synthesis, characterization and catalysis. Applied Catalysis A: General, 2009, 353, 80-86.	4.3	27
66	Photophysical and Electrochemical Investigations on Photoconducting Poly(6-tert-butyl-3,4-dihydro-2H-1,3-benzoxazine). Macromolecular Symposia, 2009, 277, 112-118.	0.7	3
67	First Example of Organocatalysis by Polystyrene-Supported PAMAM Dendrimers: Highly Efficient and Reusable Catalyst for Knoevenagel Condensations. European Journal of Organic Chemistry, 2008, 2008, 4763-4768.	2.4	73
68	Ring opening of epoxides catalysed by poly(amidoamine) dendrimer supported on crosslinked polystyrene. Polymer, 2008, 49, 5233-5240.	3.8	28
69	Electric field dependence of thermal activation energy in poly(4TBU)/poly(methyl) methacrylate blend. , 2007, , .		0
70	Reusable recording medium based on MBPVA and vinyl acetate. Journal of Modern Optics, 2006, 53, 343-355.	1.3	4
71	Epoxidation and oxidation reactions using 1,4-butanediol dimethacrylate crosslinked polystyrene-supported tertiary butyl hydroperoxide. Journal of Chemical Sciences, 2004, 116, 319-324.	1.5	3
72	Polystyrene Supported Manganese Complexes: Heterogeneous Catalysts for Oxidation Reactions. Journal of Polymer Research, 2003, 10, 267-273.	2.4	6

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73	Title is missing!. Journal of Materials Science, 2003, 38, 1573-1577.	3.7	9
74	Second harmonic generation and polar order in thin films of polyesters. Colloid and Polymer Science, 2003, 281, 485-489.	2.1	5
75	Studies on second harmonic generation efficiency by a series of chiral polyesters. Journal of Applied Polymer Science, 2003, 89, 2468-2473.	2.6	5
76	Catalytic effects of poly(methyl methacrylate)-supported η^2 -diketone-linked palladium complexes in olefin oxidation. Journal of Chemical Sciences, 2002, 114, 481-486.	1.5	7
77	Second-harmonic response of a series of chiral polyesters: A joint experimental and theoretical study. Journal of Polymer Science Part A, 2002, 40, 2868-2877.	2.3	11
78	Photoreactions of a polyamic acid containing 2,2'-dinitrodiphenylmethane segments at symmetrical positions in the main chain. European Polymer Journal, 2002, 38, 2441-2447.	5.4	1
79	Optically active poly(ester-amide)s: synthesis and characterization. Polymer International, 2001, 50, 1318-1323.	3.1	22
80	Alkylation of Phenol with Methanol Over Rare Earth Promoted Sulfated Tin Oxide Catalyst. Reaction Kinetics and Catalysis Letters, 2000, 69, 339-343.	0.6	10
81	Electron donor properties and catalytic activity of manganese ferrosinels. Reaction Kinetics and Catalysis Letters, 1999, 66, 39-45.	0.6	2
82	Dual solvent-catalyst role of deep eutectic solvents in Hantzsch dihydropyridine synthesis. Synthetic Communications, 0, , 1-12.	2.1	2
83	Palladium Loaded Dendronized Polymer as Efficient Polymeric Sustainable Catalyst for Heck Coupling Reaction. Catalysis Letters, 0, , 1.	2.6	0
84	Synthesis, Characterization and DFT-D Studies of 2-Aminoethoxycalix[4]resorcinarenes: A Novel Heterogeneous Organocatalyst. Catalysis Letters, 0, , 1.	2.6	2
85	Design of primary amine-functionalized polymer containing chiral isosorbide in the main chain for the asymmetric synthesis of isoquinuclidine derivatives. New Journal of Chemistry, 0, , .	2.8	0
86	Synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives using dendritic polymer with amine-loaded catalytic capsules: computational approaches. Polymer Bulletin, 0, , 1.	3.3	0