

Jagannathan T Kalathi

List of Publications by Year in descending order

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20
papers

768
citations

840119

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h-index

752256

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g-index

20
all docs

20
docs citations

20
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle Diffusion in Polymer Nanocomposites. Physical Review Letters, 2014, 112, 108301.	2.9	157
2	Universal Viscosity Behavior of Polymer Nanocomposites. Physical Review Letters, 2012, 109, 198301.	2.9	123
3	A review on functional polymer-clay based nanocomposite membranes for treatment of water. Journal of Hazardous Materials, 2019, 379, 120584.	6.5	104
4	Rouse mode analysis of chain relaxation in polymer nanocomposites. Soft Matter, 2015, 11, 4123-4132.	1.2	72
5	Nanoparticle Motion in Entangled Melts of Linear and Nonconcatenated Ring Polymers. Macromolecules, 2017, 50, 1749-1754.	2.2	61
6	Rouse Mode Analysis of Chain Relaxation in Homopolymer Melts. Macromolecules, 2014, 47, 6925-6931.	2.2	54
7	Polystyrene-halloysite nano tube membranes for water purification. Journal of Industrial and Engineering Chemistry, 2018, 61, 169-180.	2.9	52
8	Effect of ultrasound on bubble breakup within the mixing chamber of an effervescent atomizer. Chemical Engineering and Processing: Process Intensification, 2011, 50, 305-315.	1.8	24
9	Low-temperature sonochemical synthesis of high dielectric Lanthanum doped Cerium oxide nanopowder. Journal of Alloys and Compounds, 2018, 748, 348-354.	2.8	24
10	A facile synthesis of halloysite nanotubes based polymer nanocomposites for glass coating application. Journal of Alloys and Compounds, 2018, 735, 1807-1817.	2.8	21
11	Investigation on the dielectric performance of PVDF-HFP/LZO composites. Journal of Alloys and Compounds, 2020, 843, 155889.	2.8	18
12	Interface Dominated Dielectric Response of PS-Fe ₃ O ₄ Patchy Microspheres. Langmuir, 2019, 35, 13923-13933.	1.6	10
13	Synthesis of poly(styrene-co-methyl methacrylate) nanospheres by ultrasound-mediated Pickering nanoemulsion polymerization. Journal of Polymer Research, 2019, 26, 1.	1.2	9
14	Performance of halloysite nanotube/poly(styrene-co-methylmethacrylate) nanocomposite coatings for the protection of soda-lime glass. Journal of Alloys and Compounds, 2019, 774, 370-377.	2.8	9
15	PMMA-LZO Composite Dielectric Film with an Improved Energy Storage Density. Journal of Electronic Materials, 2019, 48, 7654-7661.	1.0	7
16	High-Intensity Ultrasound-Assisted Low-Temperature Formulation of Lanthanum Zirconium Oxide Nanodispersion for Thin-Film Transistors. ACS Applied Materials & Interfaces, 2020, 12, 44926-44933.	4.0	7
17	Fabrication of ¹³ C-MPS-Modified HNT@PMMA Nanocomposites by Ultrasound-Assisted Miniemulsion Polymerization. Jom, 2018, 70, 1307-1312.	0.9	6
18	Mechanistic modeling of destratification in cryogenic storage tanks using ultrasonics. Ultrasonics, 2014, 54, 76-83.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Effects of Solvents on Structure, Morphology and Thermal Stability of Polystyrene-HNTs Nanocomposites by Ultrasound Assisted Solution Casting Method. Materials Today: Proceedings, 2017, 4, 9434-9439.	0.9	4
20	Ultrasound assisted Synthesis of Poly (styrene-Co-methylmethacrylate)-HNTs Nanocomposites by In-Situ Emulsion Copolymerization and its Characterization. Materials Today: Proceedings, 2017, 4, 7467-7475.	0.9	1