

Sreerag Gopi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

4,005

citations

26

h-index

63

g-index

69

ext. papers

4,644

ext. citations

4.5

avg, IF

5.88

L-index

#	Paper	IF	Citations
68	A review on interface modification and characterization of natural fiber reinforced plastic composites. <i>Polymer Engineering and Science</i> , 2001 , 41, 1471-1485	2.3	817
67	Dynamic mechanical analysis of banana fiber reinforced polyester composites. <i>Composites Science and Technology</i> , 2003 , 63, 283-293	8.6	653
66	Biological activities of curcuminoids, other biomolecules from turmeric and their derivatives - A review. <i>Journal of Traditional and Complementary Medicine</i> , 2017 , 7, 205-233	4.6	334
65	Cellulose nanocomposites with nanofibres isolated from pineapple leaf fibers for medical applications. <i>Carbohydrate Polymers</i> , 2011 , 86, 1790-1798	10.3	247
64	Advances in cellulose nanomaterials. <i>Cellulose</i> , 2018 , 25, 2151-2189	5.5	221
63	Isolation and characterization of cellulose nanofibrils from Helicteres isora plant. <i>Industrial Crops and Products</i> , 2014 , 59, 27-34	5.9	214
62	Viscoelastic behavior and reinforcement mechanism in rubber nanocomposites in the vicinity of spherical nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 12632-48	3.4	122
61	Effect of fibre length and chemical modifications on the tensile properties of intimately mixed short sisal/glass hybrid fibre reinforced low density polyethylene composites. <i>Polymer International</i> , 2004 , 53, 1624-1638	3.3	113
60	Preparation of Bionanomaterials and their Polymer Nanocomposites from Waste and Biomass. <i>Waste and Biomass Valorization</i> , 2010 , 1, 121-134	3.2	93
59	Morphology, transport characteristics and viscoelastic polymer chain confinement in nanocomposites based on thermoplastic potato starch and cellulose nanofibers from pineapple leaf. <i>Carbohydrate Polymers</i> , 2017 , 169, 176-188	10.3	89
58	Dynamic mechanical and thermal properties of physically compatibilized natural rubber/poly(methyl methacrylate) blends by the addition of natural rubber-graft- poly(methyl methacrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 525-536	2.6	79
57	UV protective poly(lactic acid)/rosin films for sustainable packaging. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 37-45	7.9	73
56	Excellent Electromagnetic Interference Shielding and High Electrical Conductivity of Compatibilized Polycarbonate/Polypropylene Carbon Nanotube Blend Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4287-4297	3.9	69
55	Enhanced adsorption of crystal violet by synthesized and characterized chitin nano whiskers from shrimp shell. <i>Journal of Water Process Engineering</i> , 2016 , 14, 1-8	6.7	69
54	UV resistant transparent bionanocomposite films based on potato starch/cellulose for sustainable packaging. <i>Starch/Staerke</i> , 2018 , 70, 1700139	2.3	60
53	Chitin nanowhisiker (ChNW)-functionalized electrospun PVDF membrane for enhanced removal of Indigo carmine. <i>Carbohydrate Polymers</i> , 2017 , 165, 115-122	10.3	56
52	General scenarios of cellulose and its use in the biomedical field. <i>Materials Today Chemistry</i> , 2019 , 13, 59-78	6.2	53

51	Excellent electromagnetic shield derived from MWCNT reinforced NR/PP blend nanocomposites with tailored microstructural properties. <i>Composites Part B: Engineering</i> , 2019 , 173, 106798	10	45
50	Novel processing parameters for the extraction of cellulose nanofibres (CNF) from environmentally benign pineapple leaf fibres (PALF): Structure-property relationships. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 858-870	7.9	45
49	Facile synthesis of chitin nanocrystals decorated on 3D cellulose aerogels as a new multi-functional material for waste water treatment with enhanced anti-bacterial and anti-oxidant properties. <i>New Journal of Chemistry</i> , 2017 , 41, 12746-12755	3.6	42
48	Developing highly conducting and mechanically durable styrene butadiene rubber composites with tailored microstructural properties by a green approach using ionic liquid modified MWCNTs. <i>RSC Advances</i> , 2016 , 6, 32493-32504	3.7	42
47	Chitin nanowhisiker - Inspired electrospun PVDF membrane for enhanced oil-water separation. <i>Journal of Environmental Management</i> , 2018 , 228, 249-259	7.9	33
46	Preparation, characterization and anti-colitis activity of curcumin-asafoetida complex encapsulated in turmeric nanofiber. <i>Materials Science and Engineering C</i> , 2017 , 81, 20-31	8.3	30
45	Fabrication of cellulose acetate/chitosan blend films as efficient adsorbent for anionic water pollutants. <i>Polymer Bulletin</i> , 2019 , 76, 1557-1571	2.4	27
44	Transport behaviour of aromatic solvents through styrene butadiene rubber/poly [methyl methacrylate] (SBR/PMMMA) interpenetrating polymer network (IPN) membranes. <i>Polymer</i> , 2017 , 116, 76-88	3.9	26
43	Preparation, characterization and in vitro study of liposomal curcumin powder by cost effective nanofiber weaving technology. <i>New Journal of Chemistry</i> , 2018 , 42, 5117-5127	3.6	26
42	Chitin and Chitosan Based Composites for Energy and Environmental Applications: A Review. <i>Waste and Biomass Valorization</i> , 2021 , 12, 4777-4804	3.2	22
41	An effective EMI shielding material based on poly(trimethylene terephthalate) blend nanocomposites with multiwalled carbon nanotubes. <i>New Journal of Chemistry</i> , 2018 , 42, 13915-13926	3.6	21
40	Cellulose Nanofiber vs Nanocrystals From Pineapple Leaf Fiber: A Comparative Studies on Reinforcing Efficiency on Starch Nanocomposites. <i>Macromolecular Symposia</i> , 2018 , 380, 1800102	0.8	20
39	Viscoelastic properties of nanostructured natural rubber/polystyrene interpenetrating polymer networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1680-1696	2.6	20
38	Thermoplastic elastomer composition based on an interpenetrating polymeric network of styrene butadiene rubber/poly(methyl methacrylate) as an efficient vibrational damper. <i>New Journal of Chemistry</i> , 2018 , 42, 1939-1951	3.6	19
37	Effect of MA-g-PP compatibilizer on morphology and electrical properties of MWCNT based blend nanocomposites: New strategy to enhance the dispersion of MWCNTs in immiscible poly (trimethylene terephthalate)/polypropylene blends. <i>European Polymer Journal</i> , 2019 , 118, 595-605	5.2	17
36	Extraction of Nanochitin from Marine Resources and Fabrication of Polymer Nanocomposites: Recent Advances. <i>Polymers</i> , 2020 , 12,	4.5	17
35	Tuning of microstructure in engineered poly (trimethylene terephthalate) based blends with nano inclusion as multifunctional additive. <i>Polymer Testing</i> , 2018 , 68, 395-404	4.5	16
34	Multiwalled carbon nanotube promotes crystallisation while preserving co-continuous phase morphology of polycarbonate/polypropylene blend. <i>Polymer Testing</i> , 2017 , 64, 1-11	4.5	15

33	Isolation and characterization of stable nanofiber from turmeric spent using chemical treatment by acid hydrolysis and its potential as antimicrobial and antioxidant activities. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019 , 56, 327-340	2.2	15
32	Turmeric nanofiber-encapsulated natural product formulation act as a phytogetic feed additiveA study in broilers on growth performance, biochemical indices of blood, and E. coli in cecum. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 581-588	3	15
31	Highly crosslinked 3-D hydrogels based on graphene oxide for enhanced remediation of multi contaminant wastewater. <i>Journal of Water Process Engineering</i> , 2019 , 31, 100850	6.7	14
30	Thermal, biodegradation and theoretical perspectives on nanoscale confinement in starch/cellulose nanocomposite modified via green crosslinker. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 781-790	7.9	12
29	Relaxations and chain dynamics of sequential full interpenetrating polymer networks based on natural rubber and poly(methyl methacrylate). <i>Polymer International</i> , 2014 , 63, 1427-1438	3.3	12
28	Evaluation and clinical comparison studies on liposomal and non-liposomal ascorbic acid (vitamin C) and their enhanced bioavailability. <i>Journal of Liposome Research</i> , 2021 , 31, 356-364	6.1	11
27	Green materials for aerospace industries 2017 , 307-318		8
26	Positron annihilation spectroscopic characterization of free-volume defects and their correlations with the mechanical and transport properties of SBR-PMMA interpenetrating polymer networks. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18169-18182	3.6	8
25	Introduction: Polymer blends, thermodynamics, miscibility, phase separation, and compatibilization 2020 , 1-29		7
24	Liposomal nanostructures: Properties and applications 2021 , 163-179		6
23	Characterization studies of polymer-based composites related to functionalized filler-matrix interface 2020 , 219-250		5
22	Chapter 4:Fully Green Bionanocomposites. <i>RSC Green Chemistry</i> , 2011 , 102-128	0.9	5
21	Compatibilization of polymer blends by micro and nanofillers 2020 , 179-203		5
20	Applications of cellulose nanofibrils in drug delivery 2018 , 75-95		5
19	Development and Modification of Cellulose Acetate/Carboxy Methyl Cellulose Blend Films for Enhanced Adsorption of Methylene Blue. <i>Macromolecular Symposia</i> , 2018 , 380, 1800107	0.8	4
18	Microscopic studies on chitin and chitosan-based interpenetrating polymer networks, gels, blends, composites, and nanocomposites 2020 , 95-138		3
17	Current research on the blends of chitosan as new biomaterials 2020 , 247-283		3
16	Biodegradable Green Composites 2016 , 1-17		3

15	High dielectric thin films based on UV-reduced graphene oxide and TEMPO-oxidized cellulose nanofibres. <i>Cellulose</i> , 2021 , 28, 3069-3080	5.5	3
14	Recent Progress in Electromagnetic Interference Shielding Performance of Porous Polymer Nanocomposites—A Review. <i>Energies</i> , 2022 , 15, 3901	3.1	3
13	Fabrication of Interpenetrating Polymer Networks of SBR and PMMA with Nano Domains. <i>Materials Today: Proceedings</i> , 2019 , 9, 77-84	1.4	2
12	Thin and efficient EMI shielding materials from binary thermoplastic blend nanocomposites. <i>Polymers for Advanced Technologies</i> , 2022 , 33, 966-979	3.2	2
11	Mechanical and Permeability Properties of Thermoplastic Starch Composites Reinforced with Cellulose Nanofiber for Packaging Applications. <i>Journal of Siberian Federal University - Biology</i> , 2019 , 287-301	0.3	2
10	Synthesis, microstructure, and properties of high-strength porous ceramics 2018 , 265-271		2
9	Nanocellulose and its derivative materials for energy and environmental applications. <i>Journal of Materials Science</i> , 2022 , 57, 6835-6880	4.3	2
8	Systematic review on activity of liposomal encapsulated antioxidant, antibiotics, and antiviral agents.. <i>Journal of Liposome Research</i> , 2022 , 1-14	6.1	1
7	Chitin and chitosan-based aerogels 2020 , 285-334		1
6	Hybrid materials for electromagnetic shielding: A review. <i>Polymer Composites</i> ,	3	1
5	Synergistic effect of MWCNTs and MA-g-PP on the thermal and viscoelastic properties of immiscible PTT/PP blends. <i>New Journal of Chemistry</i> , 2020 , 44, 16557-16568	3.6	0
4	Spectroscopic Characterization Protocols for Interpenetrating Polymeric Networks 2019 , 233-241		
3	Polymer Nanocomposites for EMI Shielding Application 2021 , 267-284		
2	Green materials for waste water treatment 2021 , 503-528		
1	Processing of advanced green nanomaterials 2021 , 15-30		