Sreerag Gopi

List of Publications by Year
in descending order

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Version: 2024-02-01

65 papers	5,473 citations	172207 29 h-index	168136 53 g-index
69 all docs	69 docs citations	69 times ranked	6368 citing authors

#	Article	IF	Citations
1	A review on interface modification and characterization of natural fiber reinforced plastic composites. Polymer Engineering and Science, 2001, 41, 1471-1485.	1.5	960
2	Dynamic mechanical analysis of banana fiber reinforced polyester composites. Composites Science and Technology, 2003, 63, 283-293.	3.8	753
3	Biological activities of curcuminoids, other biomolecules from turmeric and their derivatives â€“ A review. Journal of Traditional and Complementary Medicine, 2017, 7, 205-233.	1.5	565
4	Advances in cellulose nanomaterials. Cellulose, 2018, 25, 2151-2189.	2.4	329
5	Cellulose nanocomposites with nanofibres isolated from pineapple leaf fibers for medical applications. Carbohydrate Polymers, 2011, 86, 1790-1798.	5.1	304
6	Isolation and characterization of cellulose nanofibrils from Helicteres isora plant. Industrial Crops and Products, 2014, 59, 27-34.	2.5	287
7	Viscoelastic Behavior and Reinforcement Mechanism in Rubber Nanocomposites in the Vicinity of Spherical Nanoparticles. Journal of Physical Chemistry B, 2013, 117, 12632-12648.	1.2	165
8	Effect of fibre length and chemical modifications on the tensile properties of intimately mixed short sisal/glass hybrid fibre reinforced low density polyethylene composites. Polymer International, 2004, 53, 1624-1638.	1.6	131
9	Morphology, transport characteristics and viscoelastic polymer chain confinement in nanocomposites based on thermoplastic potato starch and cellulose nanofibers from pineapple leaf. Carbohydrate Polymers, 2017, 169, 176-188.	5.1	130
10	Preparation of Bionanomaterials and their Polymer Nanocomposites from Waste and Biomass. Waste and Biomass Valorization, 2010, 1, 121-134.	1.8	113
11	UV protective poly(lactic acid)/rosin films for sustainable packaging. International Journal of Biological Macromolecules, 2017, 99, 37-45.	3.6	113
12	Novel processing parameters for the extraction of cellulose nanofibres (CNF) from environmentally benign pineapple leaf fibres (PALF): Structure-property relationships. International Journal of Biological Macromolecules, 2019, 131, 858-870.	3.6	94
13	Excellent Electromagnetic Interference Shielding and High Electrical Conductivity of Compatibilized Polycarbonate/Polypropylene Carbon Nanotube Blend Nanocomposites. Industrial & Engineering Chemistry Research, 2018, 57, 4287-4297.	1.8	90
14	Dynamic mechanical and thermal properties of physically compatibilized natural rubber/poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Polymer Science, Part B: Polymer Physics, 2000, 38, 525-536.	2.4	89
15	Enhanced adsorption of crystal violet by synthesized and characterized chitin nano whiskers from shrimp shell. Journal of Water Process Engineering, 2016, 14, 1-8.	2.6	89
16	General scenarios of cellulose and its use in the biomedical field. Materials Today Chemistry, 2019, 13, 59-78.	1.7	89
17	UV resistant transparent bionanocomposite films based on potato starch/cellulose for sustainable packaging. Starch/Staerke, 2018, 70, 1700139.	1.1	85
18	Chitin and Chitosan Based Composites for Energy and Environmental Applications: A Review. Waste and Biomass Valorization, 2021, 12, 4777-4804.	1.8	74

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19	Chitin nanowhisker (ChNW)-functionalized electrospun PVDF membrane for enhanced removal of Indigo carmine. Carbohydrate Polymers, 2017, 165, 115-122.	5.1	72
20	Excellent electromagnetic shield derived from MWCNT reinforced NR/PP blend nanocomposites with tailored microstructural properties. Composites Part B: Engineering, 2019, 173, 106798.	5.9	65
21	Developing highly conducting and mechanically durable styrene butadiene rubber composites with tailored microstructural properties by a green approach using ionic liquid modified MWCNTs. RSC Advances, 2016, 6, 32493-32504.	1.7	51
22	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. New Journal of Chemistry, 2017, 41, 12746-12755.	1.4	50
23	Chitin nanowhisker â€“ Inspired electrospun PVDF membrane for enhanced oil-water separation. Journal of Environmental Management, 2018, 228, 249-259.	3.8	47
24	Fabrication of cellulose acetate/chitosan blend films as efficient adsorbent for anionic water pollutants. Polymer Bulletin, 2019, 76, 1557-1571.	1.7	46
25	Extraction of Nanochitin from Marine Resources and Fabrication of Polymer Nanocomposites: Recent Advances. Polymers, 2020, 12, 1664.	2.0	44
26	Preparation, characterization and anti-colitis activity of curcumin-asafoetida complex encapsulated in turmeric nanofiber. Materials Science and Engineering C, 2017, 81, 20-31.	3.8	40
27	Transport behaviour of aromatic solvents through styrene butadiene rubber/poly [methyl methacrylate] (SBR/PMMMA) interpenetrating polymer network (IPN) membranes. Polymer, 2017, 116, 76-88.	1.8	35
28	Preparation, characterization and in vitro study of liposomal curcumin powder by cost effective nanofiber weaving technology. New Journal of Chemistry, 2018, 42, 5117-5127.	1.4	33
29	Hybrid materials for electromagnetic shielding: A review. Polymer Composites, 2022, 43, 2507-2544.	2.3	33
30	Cellulose Nanofiber vs Nanocrystals From Pineapple Leaf Fiber: A Comparative Studies on Reinforcing Efficiency on Starch Nanocomposites. Macromolecular Symposia, 2018, 380, 1800102.	0.4	32
31	Evaluation and clinical comparison studies on liposomal and non-liposomal ascorbic acid (vitamin C) and their enhanced bioavailability. Journal of Liposome Research, 2021, 31, 356-364.	1.5	32
32	Thermal, biodegradation and theoretical perspectives on nanoscale confinement in starch/cellulose nanocomposite modified via green crosslinker. International Journal of Biological Macromolecules, 2019, 134, 781-790.	3.6	29
33	An effective EMI shielding material based on poly(trimethylene terephthalate) blend nanocomposites with multiwalled carbon nanotubes. New Journal of Chemistry, 2018, 42, 13915-13926.	1.4	28
34	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) Tj ETQq0 0 0 rgBT /Overlock 10	2.6	28
35	Highly crosslinked 3-D hydrogels based on graphene oxide for enhanced remediation of multi contaminant wastewater. Journal of Water Process Engineering, 2019, 31, 100850.	2.6	27
36	Thermoplasticâ€“elastomer composition based on an interpenetrating polymeric network of styrene butadiene rubberâ€“poly(methyl methacrylate) as an efficient vibrational damper. New Journal of Chemistry, 2018, 42, 1939-1951.	1.4	23

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37	Nanocellulose and its derivative materials for energy and environmental applications. Journal of Materials Science, 2022, 57, 6835-6880.	1.7	23
38	Recent Progress in Electromagnetic Interference Shielding Performance of Porous Polymer Nanocompositesâ€"A Review. Energies, 2022, 15, 3901.	1.6	23
39	Tuning of microstructure in engineered poly (trimethylene terephthalate) based blends with nano inclusion as multifunctional additive. Polymer Testing, 2018, 68, 395-404.	2.3	22
40	Viscoelastic properties of nanostructured natural rubber/polystyrene interpenetrating polymer networks. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1680-1696.	2.4	21
41	Multiwalled carbon nanotube promotes crystallisation while preserving co-continuous phase morphology of polycarbonate/polypropylene blend. Polymer Testing, 2017, 64, 1-11.	2.3	19
42	Turmeric nanofiber-encapsulated natural product formulation act as a phytogenic feed additiveâ€"A study in broilers on growth performance, biochemical indices of blood, andE. coliin cecum. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 581-588.	1.8	18
43	Isolation and characterization of stable nanofiber from turmeric spent using chemical treatment by acid hydrolysis and its potential as antimicrobial and antioxidant activities. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 327-340.	1.2	17
44	Compatibilization of polymer blends by micro and nanofillers. , 2020, , 179-203.		15
45	Relaxations and chain dynamics of sequential full interpenetrating polymer networks based on natural rubber and poly(methyl methacrylate). Polymer International, 2014, 63, 1427-1438.	1.6	13
46	Positron annihilation spectroscopic characterization of free-volume defects and their correlations with the mechanical and transport properties of SBRâ€"PMMA interpenetrating polymer networks. Physical Chemistry Chemical Physics, 2020, 22, 18169-18182.	1.3	10
47	Characterization studies of polymer-based composites related to functionalized filler-matrix interface. , 2020, , 219-250.		10
48	Thin and efficient <scp>EMI</scp> shielding materials from binary thermoplastic blend nanocomposites. Polymers for Advanced Technologies, 2022, 33, 966-979.	1.6	10
49	Green materials for aerospace industries. , 2017, , 307-318.		8
50	Liposomal nanostructures: Properties and applications. , 2021, , 163-179.		8
51	Applications of cellulose nanofibrils in drug delivery. , 2018, , 75-95.		7
52	Development and Modification of Cellulose Acetate/Carboxy Methyl Cellulose Blend Films for Enhanced Adsorption of Methylene Blue. Macromolecular Symposia, 2018, 380, 1800107.	0.4	7
53	Current research on the blends of chitosan as new biomaterials. , 2020, , 247-283.		6
54	High dielectric thin films based on UV-reduced graphene oxide and TEMPO-oxidized cellulose nanofibres. Cellulose, 2021, 28, 3069-3080.	2.4	6

#	Article	IF	Citations
55	Chapter 4. Fully Green Bionanocomposites. RSC Green Chemistry, 2011, , 102-128.	0.0	5
56	Systematic review on activity of liposomal encapsulated antioxidant, antibiotics, and antiviral agents. Journal of Liposome Research, 2022, 32, 340-353.	1.5	5
57	Synthesis, microstructure, and properties of high-strength porous ceramics. , 2018, , 265-271.		4
58	Fabrication of Interpenetrating Polymer Networks of SBR and PMMA with Nano Domains. Materials Today: Proceedings, 2019, 9, 77-84.	0.9	4
59	Microscopic studies on chitin and chitosan-based interpenetrating polymer networks, gels, blends, composites, and nanocomposites. , 2020, , 95-138.		4
60	Chitin and chitosan-based aerogels. , 2020, , 285-334.		4
61	Synergistic effect of MWCNTs and MA-g-PP on the thermal and viscoelastic properties of immiscible PTT/PP blends. New Journal of Chemistry, 2020, 44, 16557-16568.	1.4	2
62	Spectroscopic Characterization Protocols for Interpenetrating Polymeric Networks. , 2019, , 233-241.		0
63	Green materials for waste water treatment. , 2021, , 503-528.		0
64	Processing of advanced green nanomaterials. , 2021, , 15-30.		0
65	Highly efficient microencapsulation of phytonutrients by fractioned cellulose using biopolymer complexation technology. Journal of Complementary and Integrative Medicine, 2022, .	0.4	0