

A review featuring the fundamentals and advancement
application in aerospace industry

Polymer Bulletin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Boron Nitride Nanotubeâ€“Saltâ€“Water Hybrid: Toward Zero-Dimensional Liquid Water and Highly Trapped Immobile Single Anions Inside One-Dimensional Nanostructures. Journal of Physical Chemistry C, 2021, 125, 14006-14013.	1.5	3
2	Gold nanoparticles and polymer microgels: Last five years of their happy and successful marriage. Journal of Molecular Liquids, 2021, 336, 116270.	2.3	47
3	Advances with Molecular Nanomaterials in Industrial Manufacturing Applications. Nanomanufacturing, 2021, 1, 75-97.	1.8	36
4	The recent advancement of low-dimensional nanostructured materials for drug delivery and drug sensing application: A brief review. Journal of Molecular Liquids, 2020, 320, 114427.	2.3	70
5	Piezo-driven jet valve dispensing of carbon nanotube-loaded composites: optimisation and characterisation. Nanocomposites, 2021, 7, 200-214.	2.2	7
6	High energy ion irradiation effect on electrical and optical properties of polymers. Radiation Physics and Chemistry, 2022, 192, 109931.	1.4	8
7	Flexible Temperature Sensor Utilizing MWCNT Doped PEG-PU Copolymer Nanocomposites. Micromachines, 2022, 13, 197.	1.4	8
8	XFEM crack growth virtual monitoring in self-sensing CNT reinforced polymer nanocomposite plates using ANSYS. Composite Structures, 2022, 284, 115137.	3.1	8
9	Synthesis of Highly Stretchable and Electrically Conductive Multiwalled Carbon Nanotube/Polymer Nanocomposite Films. ACS Applied Polymer Materials, 2022, 4, 1867-1877.	2.0	9
10	ZnS Quantum Dots Decorated on One-Dimensional Scaffold of MWCNT/PANI Conducting Nanocomposite as an Anode for Enzymatic Biofuel Cell. Polymers, 2022, 14, 1321.	2.0	9
11	Improvement of thermal and abrasion resistance performance of polyphenylene sulfide composite through 3-mercaptopropyl trimethoxysilane treatment of carbon fiber and graphene oxide fillers. Polymer Testing, 2022, 108, 107517.	2.3	15
12	Extrusion Dwell Time and Its Effect on the Mechanical and Thermal Properties of Pitch/LLDPE Blend Fibres. Crystals, 2021, 11, 1520.	1.0	2
13	Improved Nanocomposite Materials and Their Applications. , 0, , .		6
14	An overview of proton exchange membranes for fuel cells: Materials and manufacturing. International Journal of Hydrogen Energy, 2022, 47, 19086-19131.	3.8	92
16	Influence of Carbon Nanotubes Purity on the Properties of Carbon Nanotubes/Low-Density Polyethylene Composites. Journal of Macromolecular Science - Physics, 0, , 1-11.	0.4	1
17	Nanotechnology in the space industry. , 2022, , 139-157.		1
18	Surface defects and particle size determine transport of CdSe quantum dots out of plastics and into the environment. Journal of Hazardous Materials, 2022, 439, 129687.	6.5	5
19	Mechanical and electrical studies of PVA/PVP blend filled with MWCNTs. Polymer Bulletin, 2023, 80, 6693-6706.	1.7	6

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20	Mechanical properties of polymer nanocomposites with randomly dispersed and cross-linked two-dimensional diamond. <i>Composites Science and Technology</i> , 2022, 230, 109722.	3.8	7
22	INFLUENCE OF NONCOVALENT MODIFICATION OF CARBON NANOTUBES BY POLYETHYLENE GLYCOL ON THEIR DISTRIBUTION IN THE POLYMER MATRIX. <i>Proceedings of the Shevchenko Scientific Society Series D:chemical Sciences</i> , 2022, 2022, 16-25.	0.2	0
23	Investigation of strain rate effects on the mechanical behavior of polymer nanocomposites with and without defects in nanotubes. <i>Polymer Bulletin</i> , 2023, 80, 8877-8898.	1.7	1
24	THE INFLUENCE OF POLYETHYLENE GLYCOL MODIFIERS ON THE DISTRIBUTION OF CARBON NANOTUBES IN THE POLYMER MATRIX. , 2022, , 45-51.		0
25	Insight of Discrete Scale and Multiscale Methods for Characterization of Composite and Nanocomposite Materials. <i>Archives of Computational Methods in Engineering</i> , 2023, 30, 1231-1265.	6.0	8
26	Crystallization Behavior of Carbon Nanotube Polymer Nanocomposites. , 2022, , 1089-1111.		0
27	Deciphering the pathways for evaluation of nanofillers for polymer composites: biodegradability, sustainability, and emerging applications. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	4
28	The effect of process parameters on the mechanical properties of additively manufactured parts using a hierarchical multiscale model. <i>Rapid Prototyping Journal</i> , 2023, 29, 1029-1043.	1.6	2
29	Fracture analysis of CNT reinforced FG structures under thermo-mechanical loading using XIGA framework. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-21.	1.5	5
30	Temperature and rate-dependent plastic deformation mechanism of carbon nanotube fiber: Experiments and modeling. <i>Journal of the Mechanics and Physics of Solids</i> , 2023, 173, 105241.	2.3	4
31	3D Printing of CNT- and YSZ-Added Dental Resin-Based Composites by Digital Light Processing and Their Mechanical Properties. <i>Materials</i> , 2023, 16, 1873.	1.3	5
32	Structural conductive carbon nanotube nanocomposites for stretchable electronics. <i>Materials Research Express</i> , 2023, 10, 036304.	0.8	0
37	Nanocomposites: Homogenization and Kinematic Relations. , 2023, , 213-257.		0
43	Microstructure and electrical properties of biocompatible polyether-carbon nanotubes sensor materials. , 2023, , .		0
50	Polymer nanocomposite films and coatings in aerospace applications. , 2024, , 591-629.		0