Kyong Yop Rhee

List of Publications by Year
in descending order

248 papers	10,403 citations	22099 59 h-index	42291 92 g-index
249 all docs	249 docs citations	249 times ranked	9325 citing authors

#	Article	IF	Citations
1	Advancement of a model for electrical conductivity of polymer nanocomposites reinforced with carbon nanotubes by a known model for thermal conductivity. Engineering With Computers, 2022, 38, 2497-2507.	3.5	3
2	Effect of interfacial/interphase conductivity on the electrical conductivity of polymer carbon nanotubes nanocomposites. Engineering With Computers, 2022, 38, 315-324.	3.5	6
3	A model for tensile modulus of halloysite-nanotube-based samples assuming the distribution and networking of both nanoparticles and interphase zone after mechanical percolation. Mechanics of Advanced Materials and Structures, 2022, 29, 5704-5713.	1.5	6
4	Formulation of interfacial parameter in Kolarik model by aspect ratio of carbon nanotubes and interfacial shear strength to simulate the tensile strength of carbonâ€nanotubeâ€based systems. Polymer Composites, 2022, 43, 430-439.	2.3	1
5	Tensile modulus of halloysite-nanotube-based system assuming the defective interfacial bonding between polymer medium and halloysite nanotube. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 275, 115527.	1.7	1
6	Expansion of Takayanagi model by interphase characteristics and filler size to approximate the tensile modulus of halloysite-nanotube-filled system. Journal of Materials Research and Technology, 2022, 16, 1628-1636.	2.6	16
7	Graphene family, and their hybrid structures for electromagnetic interference shielding applications: Recent trends and prospects. Journal of Alloys and Compounds, 2022, 900, 163176.	2.8	35
8	Reviewâ€"A Review of the Corrosion Behaviour of Graphene Coatings on Metal Surfaces Obtained by Chemical Vapour Deposition. Journal of the Electrochemical Society, 2022, 169, 021505.	1.3	11
9	Interfacial stress transfer factor and tensile strength of polymer halloysite nanotubes systems. Polymer Composites, 2022, 43, 2064-2072.	2.3	1
10	Simple models for tensile modulus of shape memory polymer nanocomposites at ambient temperature. Nanotechnology Reviews, 2022, 11, 874-882.	2.6	4
11	Development of a model for modulus of polymer halloysite nanotube nanocomposites by the interphase zones around dispersed and networked nanotubes. Scientific Reports, 2022, 12, 2443.	1.6	16
12	A simple model for gas barrier performance of polymer nanocomposites considering filler alignment angle and diffusion direction. Composites Science and Technology, 2022, 230, 109397.	3.8	3
13	Effect of contact resistance on the electrical conductivity of polymer graphene nanocomposites to optimize the biosensors detecting breast cancer cells. Scientific Reports, 2022, 12, 5406.	1.6	19
14	Advanced model for conductivity estimation of graphene-based samples considering interphase effect, tunneling mechanism, and filler wettability. Journal of Industrial and Engineering Chemistry, 2022, 108, 81-87.	2.9	2
15	Two-Stage Modeling of Tensile Strength for a Carbon-Nanotube-Based System Applicable in the Biomedical Field. Jom, 2022, 74, 3059-3068.	0.9	8
16	Tuning of a mechanics model for the electrical conductivity of CNT-filled samples assuming extended CNT. European Physical Journal Plus, 2022, 137, 1.	1.2	1
17	Osteogenesis capability of three-dimensionally printed poly(lactic acid)-halloysite nanotube scaffolds containing strontium ranelate. Nanotechnology Reviews, 2022, 11, 1901-1910.	2.6	24
18	Intelligent modeling and optimization of titanium surface etching for dental implant application. Scientific Reports, 2022, 12, 7184.	1.6	3

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19	Development of a theoretical model for estimating the electrical conductivity of a polymeric system reinforced with silver nanowires applicable for the biosensing of breast cancer cells. Journal of Materials Research and Technology, 2022, 18, 4894-4902.	2.6	18
20	Modeling of mechanical behaviors and interphase properties of polymer/nanodiamond composites for biomedical products. Journal of Materials Research and Technology, 2022, 19, 2750-2758.	2.6	13
21	Crucial interfacial shear strength to consider an imperfect interphase in halloysite-nanotube-filled biomedicalÂsamples. Journal of Materials Research and Technology, 2022, 19, 3777-3787.	2.6	4
22	Effective Conductivity of Carbon-Nanotube-Filled Systems by Interfacial Conductivity to Optimize Breast Cancer Cell Sensors. Nanomaterials, 2022, 12, 2383.	1.9	0
23	Tensile Modulus of Polymer Halloysite Nanotube Systems Containing Fillerâ€"Interphase Networks for Biomedical Requests. Materials, 2022, 15, 4715.	1.3	1
24	An overview of the plant-mediated green synthesis of noble metal nanoparticles for antibacterial applications. Journal of Industrial and Engineering Chemistry, 2021, 94, 92-104.	2.9	122
25	Electrical conductivity of interphase zone in polymer nanocomposites by carbon nanotubes properties and interphase depth. Journal of Applied Polymer Science, 2021, 138, 50313.	1.3	6
26	Biosensing Applications of Polyaniline (PANI)-Based Nanocomposites: A Review. Polymer Reviews, 2021, 61, 553-597.	5.3	69
27	A rapid nanobiosensing platform based on herceptin-conjugated graphene for ultrasensitive detection of circulating tumor cells in early breast cancer. Nanotechnology Reviews, 2021, 10, 744-753.	2.6	27
28	Polyhydroxyalkanoates (PHAs): Biopolymers for Biofuel and Biorefineries. Polymers, 2021, 13, 253.	2.0	52
29	Nanostructured multifunctional electrocatalysts for efficient energy conversion systems: Recent perspectives. Nanotechnology Reviews, 2021, 10, 137-157.	2.6	28
30	Reduced graphene oxide-grafted bovine serum albumin/bredigite nanocomposites with high mechanical properties and excellent osteogenic bioactivity for bone tissue engineering. Bio-Design and Manufacturing, 2021, 4, 243-257.	3.9	19
31	Development of Ji Micromechanics Model for Electrical Conductivity of Carbon Nanotubes-reinforced Samples. Fibers and Polymers, 2021, 22, 1889-1898.	1.1	1
32	Micromechanics Modeling of Electrical Conductivity for Polymer Nanocomposites by Network Portion, Interphase Depth, Tunneling Properties and Wettability of Filler by Polymer Media. Fibers and Polymers, 2021, 22, 1343-1351.	1.1	2
33	Development and simplification of a micromechanic model for conductivity of carbon nanotubes-reinforced nanocomposites. Journal of Polymer Research, 2021, 28, 1.	1.2	0
34	A comprehensive review on the prospects of multi-functional carbon nano onions as an effective, high- performance energy storage material. Carbon, 2021, 175, 534-575.	5.4	72
35	Advanced Models for Modulus and Strength of Carbon-Nanotube-Filled Polymer Systems Assuming the Networks of Carbon Nanotubes and Interphase Section. Mathematics, 2021, 9, 990.	1.1	3
36	A two-step technique established by simple models to estimate the tensile strength of halloysite nanotubes-filled nanocomposites. Polymer Testing, 2021, 96, 107073.	2.3	1

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37	Simulation of tensile strength for halloysite nanotubes/polymer composites. Applied Clay Science, 2021, 205, 106055.	2.6	9
38	Effect of Imperfect Interphase Section Neighboring Dispersed and Networked Nanoclay on the Modulus of Nanocomposites by a Modeling Method. Fibers and Polymers, 2021, 22, 2517-2526.	1.1	0
39	Local delivery of chemotherapeutic agent in tissue engineering based on gelatin/graphene hydrogel. Journal of Materials Research and Technology, 2021, 12, 412-422.	2.6	22
40	Modification of advanced Takayanagi model for the modulus of nanoclay/polymer systems comprising the effectual networks of both nanoclay and interphase section. Journal of Applied Polymer Science, 2021, 138, 51185.	1.3	1
41	Effect of Atmospheric-Pressure Plasma Treatments on Fracture Toughness of Carbon Fibers-Reinforced Composites. Molecules, 2021, 26, 3698.	1.7	6
42	Effects of interfacial shear strength on the operative aspects of interphase section and tensile strength of carbon-nanotube-filled system: A modeling study. Results in Physics, 2021, 26, 104428.	2.0	3
43	Development of Jangâ€"Yin model for effectual conductivity of nanocomposite systems by simple equations for the resistances of carbon nanotubes, interphase and tunneling section. European Physical Journal Plus, 2021, 136, 1.	1.2	6
44	Tensile modulus of clayâ€reinforced system supposing the interphase effectiveness for load transferring. Polymer Composites, 2021, 42, 5465.	2.3	4
45	Corrosion inhibition potential of chitosan based Schiff bases: Design, performance and applications. International Journal of Biological Macromolecules, 2021, 184, 135-143.	3.6	43
46	Micromechanics simulation of electrical conductivity for carbon-nanotube-filled polymer system by adjusting Ouali model. European Physical Journal Plus, 2021, 136, 1.	1.2	10
47	Modeling of Stress Relaxation Modulus for a Nanocomposite Biosensor by Relaxation Time, Yield Stress, and Zero Complex Viscosity. Jom, 2021, 73, 3693-3701.	0.9	5
48	Tensile strength of carbonâ€nanotubeâ€based nanocomposites by the effective characteristics of interphase area nearby the filler network. Polymer Composites, 2021, 42, 6488-6499.	2.3	10
49	Roles of Small Polyetherimide Moieties on Thermal Stability and Fracture Toughness of Epoxy Blends. Polymers, 2021, 13, 3310.	2.0	4
50	Development of an advanced Takayanagi equation for the electrical conductivity of carbon nanotube-reinforced polymer nanocomposites. Journal of Physics and Chemistry of Solids, 2021, 157, 110191.	1.9	3
51	Effect of silane modified smectite clay on the hydration, intercalation of PCE superplasticizers, and mechanical strength of cement composites. Cement and Concrete Composites, 2021, 123, 104210.	4.6	10
52	An applicable model for the modulus of polymer halloysite nanotubes samples by the characteristics of halloysite nanotubes, interphase zone and filler/interphase network. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127330.	2.3	8
53	Percolation onset and electrical conductivity for a multiphase system containing carbon nanotubes and nanoclay. Journal of Materials Research and Technology, 2021, 15, 1777-1788.	2.6	20
54	Electrophoretic deposition of graphene on basalt fiber for composite applications. Nanotechnology Reviews, 2021, 10, 158-165.	2.6	15

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55	Reduced graphene oxide coating on basalt fabric using electrophoretic deposition and its role in the mechanical and tribological performance of epoxy/basalt fiber composites. Nanotechnology Reviews, 2021, 10, 1383-1394.	2.6	4
56	The chitosan-based bioactive composite coating on titanium. Journal of Materials Research and Technology, 2021, 15, 4461-4474.	2.6	8
57	A simple model for determining the strength of polymer halloysite nanotube systems. Composites Part B: Engineering, 2021, 227, 109411.	5.9	4
58	The strengthening efficacy of filler/interphase network in polymer halloysite nanotubes system after mechanical percolation. Journal of Materials Research and Technology, 2021, 15, 5343-5352.	2.6	16
59	A study on interfacial behaviors of epoxy/graphene oxide derived from pitch-based graphite fibers. Nanotechnology Reviews, 2021, 10, 1827-1837.	2.6	13
60	A model for the tensile modulus of polymer nanocomposites assuming carbon nanotube networks and interphase zones. Acta Mechanica, 2020, 231, 35-45.	1.1	3
61	Significances of interphase conductivity and tunneling resistance on the conductivity of carbon nanotubes nanocomposites. Polymer Composites, 2020, 41, 748-756.	2.3	68
62	Simulation of Percolation Threshold, Tunneling Distance, and Conductivity for Carbon Nanotube (CNT)-Reinforced Nanocomposites Assuming Effective CNT Concentration. Polymers, 2020, 12, 114.	2.0	23
63	Effects of CNT size, network fraction, and interphase thickness on the tunneling distance between neighboring carbon nanotubes (CNTs) in nanocomposites. Journal of Industrial and Engineering Chemistry, 2020, 86, 53-60.	2.9	5
64	Modeling the effect of interfacial conductivity between polymer matrix and carbon nanotubes on the electrical conductivity of nanocomposites. RSC Advances, 2020, 10, 424-433.	1.7	5
65	Effect of conductivity transportation from carbon nanotubes (CNT) to polymer matrix surrounding CNT on the electrical conductivity of nanocomposites. Polymer Composites, 2020, 41, 1595-1604.	2.3	7
66	Role of critical interfacial shear modulus between polymer matrix and carbon nanotubes in the tensile modulus of polymer nanocomposites. Mechanics of Materials, 2020, 141, 103269.	1.7	7
67	Experimental data and modeling of electrical conductivity for polymer carbon nanotubes nanobiosensor during degradation in neutral phosphate-buffered saline (PBS). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 252, 114482.	1.7	4
68	Tensile modulus prediction of carbon nanotubes-reinforced nanocomposites by a combined model for dispersion and networking of nanoparticles. Journal of Materials Research and Technology, 2020, 9, 22-32.	2.6	58
69	Interfacial factors affecting the strengthening efficacy of nanoclay in nanocomposites. Construction and Building Materials, 2020, 260, 119868.	3.2	2
70	The effect of cesium dopant on APCVD graphene coating on copper. Journal of Materials Research and Technology, 2020, 9, 9798-9812.	2.6	9
71	Polymer tunneling resistivity between adjacent carbon nanotubes (CNT) in polymer nanocomposites. Journal of Physics and Chemistry of Solids, 2020, 147, 109664.	1.9	5
72	Development of Conventional Paul Model for Tensile Modulus of Polymer Carbon Nanotube Nanocomposites After Percolation Threshold by Filler Network Density. Jom, 2020, 72, 4323-4329.	0.9	15

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73	Enhanced isosteric heat of adsorption and gravimetric storage density of hydrogen in GNP incorporated Cu based core-shell metal-organic framework. International Journal of Hydrogen Energy, 2020, 45, 33818-33831.	3.8	18
74	Simulation of Youngâ€™s modulus for clay-reinforced nanocomposites assuming mechanical percolation, clay-interphase networks and interfacial linkage. Journal of Materials Research and Technology, 2020, 9, 12473-12483.	2.6	25
75	Effects of critical interfacial shear strength between polymer and nanoclay on the Pukanszky's â€œBâ€• interphase factor and tensile strength of polymer nanocomposites. Mechanics of Materials, 2020, 149, 103562.	1.7	3
76	Estimation of average contact number of carbon nanotubes (CNTs) in polymer nanocomposites to optimize the electrical conductivity. Engineering With Computers, 2020, , 1.	3.5	0
77	Expression of characteristic tunneling distance to control the electrical conductivity of carbon nanotubes-reinforced nanocomposites. Journal of Materials Research and Technology, 2020, 9, 15996-16005.	2.6	11
78	Engineering the electrical and optical properties of graphene oxide via simultaneous alkali metal doping and thermal annealing. Journal of Materials Research and Technology, 2020, 9, 15824-15837.	2.6	10
79	A simulation study for tunneling conductivity of carbon nanotubes (CNT) reinforced nanocomposites by the coefficient of conductivity transferring amongst nanoparticles and polymer medium. Results in Physics, 2020, 17, 103091.	2.0	3
80	Electronic and Thermal Properties of Graphene. Nanomaterials, 2020, 10, 926.	1.9	14
81	Two-Stage Simulation of Tensile Modulus of Carbon Nanotube (CNT)-Reinforced Nanocomposites After Percolation Onset Using the Ouali Approach. Jom, 2020, 72, 3943-3951.	0.9	9
82	Modeling of interphase strength between polymer host and clay nanoparticles in nanocomposites by clay possessions and interfacial/interphase terms. Applied Clay Science, 2020, 192, 105644.	2.6	10
83	Model Progress for Tensile Power of Polymer Nanocomposites Reinforced with Carbon Nanotubes by Percolating Interphase Zone and Network Aspects. Polymers, 2020, 12, 1047.	2.0	2
84	Effects of critical interfacial shear modulus between polymer matrix and nanoclay on the effective interphase properties and tensile modulus of nanocomposites. Construction and Building Materials, 2020, 247, 118536.	3.2	12
85	Modeling the Effects of Filler Network and Interfacial Shear Strength on the Mechanical Properties of Carbon Nanotube-Reinforced Nanocomposites. Jom, 2020, 72, 2184-2190.	0.9	9
86	An overview on the synthesis and recent applications of conducting poly(3,4-ethylenedioxythiophene) (PEDOT) in industry and biomedicine. Journal of Materials Science, 2020, 55, 7575-7611.	1.7	56
87	A facile and simple approach to synthesis and characterization of methacrylated graphene oxide nanostructured polyaniline nanocomposites. Nanotechnology Reviews, 2020, 9, 53-60.	2.6	30
88	Assessing the Bioactivity of Gentamicin-Preloaded Hydroxyapatite/Chitosan Composite Coating on Titanium Substrate. ACS Omega, 2020, 5, 15433-15445.	1.6	29
89	Correlation of tunneling diameter between neighboring carbon nanotubes in polymer nanocomposites to interphase depth, tunneling factors and the percentage of networked nanoparticles. Journal of Physics and Chemistry of Solids, 2020, 142, 109467.	1.9	3
90	Calculation of tunneling distance in carbon nanotubes nanocomposites: effect of carbon nanotube properties, interphase and networks. Journal of Materials Science, 2020, 55, 5471-5480.	1.7	15

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91	Simulation of tensile modulus of polymer carbon nanotubes nanocomposites in the case of incomplete interfacial bonding between polymer matrix and carbon nanotubes by critical interfacial parameters. Polymer, 2020, 191, 122260.	1.8	8
92	Acrylic Pressure-Sensitive Adhesive Reinforced with Aluminum Nitride and Its Thermal Properties: Effect of Surface Treatment and Particle Size. Coatings, 2020, 10, 188.	1.2	6
93	Definition of â€œbâ€• exponent and development of power-law model for electrical conductivity of polymer carbon nanotubes nanocomposites. Results in Physics, 2020, 16, 102945.	2.0	4
94	Simulation of tunneling distance and electrical conductivity for polymer carbon nanotubes nanocomposites by interphase thickness and network density. Polymer Composites, 2020, 41, 2401-2410.	2.3	5
95	Interphase thickness and electrical conductivity of polymer carbon nanotube (CNT) nanocomposites assuming the interfacial conductivity between polymer matrix and nanoparticles. Journal of Materials Science, 2020, 55, 5402-5414.	1.7	3
96	Analysis of critical interfacial shear strength between polymer matrix and carbon nanotubes and its impact on the tensile strength of nanocomposites. Journal of Materials Research and Technology, 2020, 9, 4123-4132.	2.6	23
97	Calculation of the Electrical Conductivity of Polymer Nanocomposites Assuming the Interphase Layer Surrounding Carbon Nanotubes. Polymers, 2020, 12, 404.	2.0	26
98	Study on the Effects of the Interphase Region on the Network Properties in Polymer Carbon Nanotube Nanocomposites. Polymers, 2020, 12, 182.	2.0	21
99	Development of Expanded Takayanagi Model for Tensile Modulus of Carbon Nanotubes Reinforced Nanocomposites Assuming Interphase Regions Surrounding the Dispersed and Networked Nanoparticles. Polymers, 2020, 12, 233.	2.0	12
100	Effects of carbon nanotubes and interphase properties on the interfacial conductivity and electrical conductivity of polymer nanocomposites. Polymer International, 2020, 69, 413-422.	1.6	3
101	Effects of network, tunneling, and interphase properties on the operative tunneling resistance in polymer carbon nanotubes (<scp>CNTs</scp>) nanocomposites. Polymer Composites, 2020, 41, 2907-2916.	2.3	5
102	The E.T.PACK project: Towards a fully passive and consumable-less deorbit kit based on low-work-function tether technology. Acta Astronautica, 2020, 177, 821-827.	1.7	16
103	Trade-off analysis of C12A7:eâˆ’ deposition techniques applied to Low Work Function Tethers. Acta Astronautica, 2020, 177, 806-812.	1.7	3
104	Effects of critical interfacial shear strength between a polymer matrix and carbon nanotubes on the interphase strength and Pukanszky's â€œBâ€• interphase parameter. RSC Advances, 2020, 10, 13573-13582.	1.7	3
105	Poly(vinyl alcohol)/chitosan hydrogels with electrochemically synthesized silver nanoparticles for wound dressing applications. Journal of Electrochemical Science and Engineering, 2020, 10, 185-198.	1.6	7
106	Analysis of the Connecting Effectiveness of the Interphase Zone on the Tensile Properties of Carbon Nanotubes (CNT) Reinforced Nanocomposite. Polymers, 2020, 12, 896.	2.0	14
107	Synergistic Tribo-Activity of Nanohybrids of Zirconia/Cerium-Doped Zirconia Nanoparticles with Nano Lamellar Reduced Graphene Oxide and Molybdenum Disulfide. Nanomaterials, 2020, 10, 707.	1.9	13
108	A simple and sensible equation for interphase potency in carbon nanotubes (CNT) reinforced nanocomposites. Journal of Materials Research and Technology, 2020, 9, 6488-6496.	2.6	14

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109	An experimental study on one-step and two-step foaming of natural rubber/silica nanocomposites. Nanotechnology Reviews, 2020, 9, 427-435.	2.6	21
110	A highly sensitive biosensor based on methacrylated graphene oxide-grafted polyaniline for ascorbic acid determination. Nanotechnology Reviews, 2020, 9, 760-767.	2.6	43
111	Microfluidic-assisted synthesis and modelling of monodispersed magnetic nanocomposites for biomedical applications. Nanotechnology Reviews, 2020, 9, 1397-1407.	2.6	11
112	Advances in layered double hydroxide-based ternary nanocomposites for photocatalysis of contaminants in water. Nanotechnology Reviews, 2020, 9, 1381-1396.	2.6	16
113	Modeling of viscosity and complex modulus for poly (lactic acid)/poly (ethylene oxide)/carbon nanotubes nanocomposites assuming yield stress and network breaking time. Composites Part B: Engineering, 2019, 156, 100-107.	5.9	66
114	Simplification and development of McLachlan model for electrical conductivity of polymer carbon nanotubes nanocomposites assuming the networking of interphase regions. Composites Part B: Engineering, 2019, 156, 64-71.	5.9	69
115	Simple model for hydrolytic degradation of poly(lactic acid)/poly(ethylene oxide)/carbon nanotubes nanobiosensor in neutral phosphateâ€buffered saline solution. Journal of Biomedical Materials Research - Part A, 2019, 107, 2706-2717.	2.1	22
116	Evaluation of the Tensile Strength in Carbon Nanotube-Reinforced Nanocomposites Using the Expanded Takayanagi Model. Jom, 2019, 71, 3980-3988.	0.9	56
117	Modeling the roles of carbon nanotubes and interphase dimensions in the conductivity of nanocomposites. Results in Physics, 2019, 15, 102562.	2.0	69
118	Following the morphological and thermal properties of PLA/PEO blends containing carbon nanotubes (CNTs) during hydrolytic degradation. Composites Part B: Engineering, 2019, 175, 107132.	5.9	78
119	Tuning the work function of graphene toward application as anode and cathode. Journal of Alloys and Compounds, 2019, 805, 1117-1134.	2.8	68
120	Effects of ozonized carbon black on fracture and post-cracking toughness of carbon fiber-reinforced epoxy composites. Composites Part B: Engineering, 2019, 177, 107379.	5.9	37
121	A Simulation Work for the Influences of Aggregation/Agglomeration of Clay Layers on the Tensile Properties of Nanocomposites. Jom, 2019, 71, 3989-3995.	0.9	72
122	Chitosan-based hydrogel wound dressings with electrochemically incorporated silver nanoparticles â€“ In vitro study. European Polymer Journal, 2019, 121, 109257.	2.6	59
123	Investigation of corrosion behaviour of carbon nanotubes coated basalt fabric as a reinforcement material. Composites Part B: Engineering, 2019, 178, 107493.	5.9	24
124	Tensile strength prediction of carbon nanotube reinforced composites by expansion of cross-orthogonal skeleton structure. Composites Part B: Engineering, 2019, 161, 601-607.	5.9	72
125	Effect of Triblock Copolymer on Carbon-Based Boron Nitride Whiskers for Efficient CO2 Adsorption. Polymers, 2019, 11, 913.	2.0	22
126	Effects of interphase regions and tunneling distance on the electrical conductivity of polymer carbon nanotubes nanocomposites. Carbon Letters, 2019, 29, 567-577.	3.3	3

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127	The complex viscosity of polymer carbon nanotubes nanocomposites as a function of networks properties. Carbon Letters, 2019, 29, 535-545.	3.3	2
128	A developed equation for electrical conductivity of polymer carbon nanotubes (CNT) nanocomposites based on Halpin-Tsai model. Results in Physics, 2019, 14, 102406.	2.0	66
129	Degradation biosensing performance of polymer blend carbon nanotubes (CNTs) nanocomposites. Sensors and Actuators A: Physical, 2019, 295, 113-124.	2.0	13
130	Effects of interphase regions and filler networks on the viscosity of PLA/PEO/carbon nanotubes biosensor. Polymer Composites, 2019, 40, 4135-4141.	2.3	71
131	Analysis of complex viscosity and shear thinning behavior in poly (lactic acid)/poly (ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 102245.	2.0	97
132	Kinetic models of swelling and thermal stability of silver/poly(vinyl alcohol)/chitosan/graphene hydrogels. Journal of Industrial and Engineering Chemistry, 2019, 77, 83-96.	2.9	23
133	A multistep methodology for effective conductivity of carbon nanotubes reinforced nanocomposites. Journal of Alloys and Compounds, 2019, 793, 1-8.	2.8	39
134	Prediction of loss factor (tanâ€Î) for polymer nanocomposites as a function of yield tress, relaxation time and the width of transition region between Newtonian and power-law behaviors. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 136-143.	1.5	12
135	The effective conductivity of polymer carbon nanotubes (CNT) nanocomposites. Journal of Physics and Chemistry of Solids, 2019, 131, 15-21.	1.9	73
136	Graphene Nanoplatelet-Reinforced Poly(vinylidene fluoride)/High Density Polyethylene Blend-Based Nanocomposites with Enhanced Thermal and Electrical Properties. Nanomaterials, 2019, 9, 361.	1.9	32
137	Facile Preparation and Characterization of Carbon Fibers with Core-Shell Structure from Graphene-Dispersed Isotropic Pitch Compounds. Nanomaterials, 2019, 9, 521.	1.9	4
138	Surface modification of MMT and its effect on fatigue and fracture behavior of basalt/epoxy based composites in a seawater environment. Applied Surface Science, 2019, 473, 55-58.	3.1	31
139	Super paramagnetic ZIF-67 metal organic framework nanocomposite. Composites Part B: Engineering, 2019, 158, 384-389.	5.9	48
140	Expression of normal stress difference and relaxation modulus for ternary nanocomposites containing biodegradable polymers and carbon nanotubes by storage and loss modulus data. Composites Part B: Engineering, 2019, 158, 162-168.	5.9	60
141	A modeling methodology to investigate the effect of interfacial adhesion on the yield strength of MMT reinforced nanocomposites. Journal of Industrial and Engineering Chemistry, 2019, 69, 331-337.	2.9	62
142	The roles of interphase and filler dimensions in the properties of tunneling spaces between CNT in polymer nanocomposites. Polymer Composites, 2019, 40, 801-810.	2.3	64
143	Effect of â€œ<i>Z</i>â€•factor for strength of interphase layers on the tensile strength of polymer nanocomposites. Polymer Composites, 2019, 40, 1117-1122.	2.3	62
144	Variations of tunneling properties in poly (lactic acid) (PLA)/poly (ethylene oxide) (PEO)/carbon nanotubes (CNT) nanocomposites during hydrolytic degradation. Sensors and Actuators A: Physical, 2018, 274, 28-36.	2.0	68

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145	A new methodology based on micromechanics model to predict the tensile modulus and network formation in polymer/CNT nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 20-26.	2.3	7
146	Dependence of mechanical performances of polymer/carbon nanotubes nanocomposites on percolation threshold. Physica B: Condensed Matter, 2018, 533, 69-75.	1.3	72
147	A simple model for constant storage modulus of poly (lactic acid)/poly (ethylene oxide)/carbon nanotubes nanocomposites at low frequencies assuming the properties of interphase regions and networks. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 80, 164-170.	1.5	68
148	Prediction of complex modulus in phase-separated poly (lactic acid)/poly (ethylene oxide)/carbon nanotubes nanocomposites. Polymer Testing, 2018, 66, 189-194.	2.3	34
149	In situ electrochemical synthesis of silver-doped poly(vinyl alcohol)/graphene composite hydrogels and their physico-chemical and thermal properties. Composites Part B: Engineering, 2018, 140, 99-107.	5.9	42
150	The percolation threshold for tensile strength of polymer/CNT nanocomposites assuming filler network and interphase regions. Materials Chemistry and Physics, 2018, 207, 76-83.	2.0	79
151	A multistep methodology based on developed Takayanagi, Paul and Ouali models for tensile modulus of polymer/carbon nanotubes nanocomposites above percolation threshold assuming the contribution of interphase regions. Polymer Testing, 2018, 69, 1-8.	2.3	18
152	Transfer-free chemical vapor deposition of graphene on silicon substrate at atmospheric pressure: A sacrificial catalyst. Thin Solid Films, 2018, 657, 55-60.	0.8	13
153	Cuscuta reflexa leaf extract mediated green synthesis of the Cu nanoparticles on graphene oxide/manganese dioxide nanocomposite and its catalytic activity toward reduction of nitroarenes and organic dyes. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 158-173.	2.7	138
154	Structural and phase separation characterization of poly(lactic acid)/poly(ethylene oxide)/carbon nanotube nanocomposites by rheological examinations. Composites Part B: Engineering, 2018, 144, 1-10.	5.9	70
155	Comprehensive electrochemical study on corrosion performance of graphene coatings deposited by chemical vapour deposition at atmospheric pressure on platinum-coated molybdenum foil. Corrosion Science, 2018, 130, 31-44.	3.0	22
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