Yasser Zare

List of Articles by Year in descending order

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302
peer-reviewed articles

9,042
peer-reviewed citations

14457
66
peer-reviewed h-index

57601
89
g-index

307
documents

10300
doc citations

16685
69
h-index

10094
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging the gap: A novel approach for predicting the Young's modulus of nanodiamond polymer composites. Polymer Composites, 2025, 46, 1904-1915.	4.9	9
2	A new method for conductivity prediction in polymer carbon nanofiber system by the interphase size and total conductivity of constituents. Polymer, 2025, 316, 127869.	4.1	0
3	A predictive model for electrical conductivity of polymer carbon nanofiber composites considering nanofiber/interphase network and tunneling dimensions. Journal of Materials Research and Technology, 2025, 34, 1391-1398.	6.1	11
4	A predictive model for electrical conductivity of polymer carbon black nanocomposites. Polymer Composites, 2025, 46, 7491-7502.	4.9	12
5	Renovating nanocomposite design: A novel conductivity model for polymer graphene systems incorporating interphase and tunneling zones. Polymer Composites, 2025, 46, 6933-6943.	4.9	4
6	A new pattern for conductivity of carbon nanofiber polymer composites with interphase and tunneling parameters. Composites Part A: Applied Science and Manufacturing, 2025, 190, 108721.	8.1	12
7	Advanced predicting of conductivity for carbon nanofiber polymer systems: Incorporating of nanofiber, interphase, and tunneling impacts. Surfaces and Interfaces, 2025, 58, 105868.	3.2	0
8	A model for effective conductivity of polymer nanocomposites containing MXene nanosheets. Polymer Composites, 2025, 46, 8906-8918.	4.9	10
9	Predictive models for the tensile strength of polymer composites comprising spherical nano-starch using interphase properties. Industrial Crops and Products, 2025, 226, 120655.	5.8	2
10	Unveiling the impact of interphase properties on the modulus of composites reinforced with nanodiamond: Defining an interfacial adhesion parameter. Surfaces and Interfaces, 2025, 59, 105926.	3.2	1
11	Advancing conductivity modeling: A unified framework for polymer carbon black nanocomposites. Journal of Materials Research and Technology, 2025, 36, 26-33.	6.1	13
12	Towards precision in nanocomposite design: Predictive model for tensile modulus of polymer starch nanocrystals system by interphase features. International Journal of Biological Macromolecules, 2025, 308, 142487.	8.1	1
13	Controlling of tunneling resistance in carbon nanofiber polymer composites: A novel equation for polymer tunneling resistivity by quantifiable parameters. Journal of Materials Research and Technology, 2025, 36, 3949-3957.	6.1	12
14	Decoding of contact number among carbon nanofibers in polymer composites: A new insight to govern electron transfer through tunneling zones. Composites Part A: Applied Science and Manufacturing, 2025, 198, 109124.	8.1	3
15	Strengthening efficacy of spherical starch nanoparticles and surrounding interphase in polymer nanocomposites. International Journal of Biological Macromolecules, 2025, 319, 145317.	8.1	1
16	Upgrading of a theoretical model for tensile strength of polymer - cellulose nanocrystals system to derive a new equation for interfacial shear strength. International Journal of Biological Macromolecules, 2025, 319, 145763.	8.1	3
17	Bridging the nano-scale interphase with macro-scale properties: Two-step simulating of electrical conductivity for polymer composites incorporating carbon nanofibers. Journal of Materials Research and Technology, 2025, 37, 3578-3585.	6.1	13
18	3D printing of hydrogel nanocomposites: A symbiotic union for advanced biomedical applications. Advances in Colloid and Interface Science, 2025, 344, 103602.	17.5	9

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19	Optical and Electrochemical Biosensors for Detection of Pathogens Using Metal Nanoclusters: A Systematic Review. Biosensors, 2025, 15, 460.	4.9	8
20	Decrypting of effective resistance for composites of polymer-carbon nanofiber: An applicable approach to regulate the electrical conductivity. Journal of Materials Research and Technology, 2025, 38, 2105-2112.	6.1	13
21	Simulation of electrical conductivity for polymer carbon nanofiber composites assuming an extended nanofiber by interphase depth and tunneling distance. Scientific Reports, 2025, 15, .	3.4	16
22	A Review on Drug Delivery Systems Containing Polymer Nanocomposites for Breast Cancer Treatment. Polymer Reviews, 2024, 64, 490-527.	14.2	7
23	Predicting of electrical conductivity for Polymer-MXene nanocomposites. Journal of Materials Research and Technology, 2024, 28, 4229-4238.	6.1	44
24	Effects of a deficient interface, tunneling size and interphase depth on the percolation inception, percentage of graphene in the nets and conductivity of nanocomposites. Diamond and Related Materials, 2024, 142, 110791.	4.8	13
25	A review of ternary polymer nanocomposites containing clay and calcium carbonate and their biomedical applications. Nanotechnology Reviews, 2024, 13, .	5.5	3
26	Halloysite nanotubes in biomedical applications: Recent approaches and future trends. Applied Clay Science, 2024, 253, 107346.	5.5	28
27	A model for tensile strength of cellulose nanocrystals polymer nanocomposites. Industrial Crops and Products, 2024, 213, 118458.	5.8	7
28	Assessment of electrical conductivity of polymer nanocomposites containing a deficient interphase around graphene nanosheet. Scientific Reports, 2024, 14, .	3.4	37
29	Simulation of tensile strength for polymer hydroxyapatite nanocomposites by interphase and nanofiller dimensions. Polymer Composites, 2024, 45, 10234-10245.	4.9	26
30	Influences of defective interphase and contact region among nanosheets on the electrical conductivity of polymer graphene nanocomposites. Scientific Reports, 2024, 14, .	3.4	10
31	Advanced modeling of conductivity in grapheneâ€“polymer nanocomposites: insights into interface and tunneling characteristics. Carbon Letters, 2024, 34, 2149-2159.	4.9	5
32	Recent advances on the application of nanobiomimetic structures as drug delivery systems. Journal of Drug Delivery Science and Technology, 2024, 100, 106009.	3.3	6
33	Beyond conventional models: Innovative analysis of tensile strength for polymer hydroxyapatite nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2024, 701, 134930.	5.2	1
34	An innovative model for electrical conductivity of MXene polymer nanocomposites by interphase and tunneling characteristics. Composites Part A: Applied Science and Manufacturing, 2024, 186, 108422.	8.1	30
35	Predicting the strength in hydroxyapatiteâ€filled nanocomposites through advanced twoâ€phase modeling. Polymer Composites, 2024, 45, 17121-17133.	4.9	15
36	A novel technique including two steps for modulus prediction in polymer halloysite nanotube composites. Scientific Reports, 2024, 14, .	3.4	8

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37	From nano to macro in graphene-polymer nanocomposites: A new methodology for conductivity prediction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2024, 703, 135353.	5.2	3
38	A novel approach to predict the electrical conductivity of nanocomposites by a weak interphase around graphene network. Scientific Reports, 2024, 14, .	3.4	19
39	Advancing Breast Cancer Treatment: The Role of PLA-based Scaffolds in Tumor Microenvironment and Drug Delivery. , 2024, 8, 0-0.		4
40	Two-step method for predicting Young's modulus of nanocomposites containing nanodiamond particles. Journal of Materials Research and Technology, 2024, 33, 2343-2352.	6.1	30
41	Tensile modulus of polymer halloysite nanotubes nanocomposites assuming stress transferring through an imperfect interphase. Scientific Reports, 2024, 14, .	3.4	14
42	Multi-scale prediction of effective conductivity for carbon nanofiber polymer composites. Journal of Materials Research and Technology, 2024, 33, 8895-8902.	6.1	30
43	Optimizing conductive properties of polymer carbon nanofiber composites: Insights from an extended Hui-Shia model. Polymer Testing, 2024, 141, 108648.	5.4	8
44	Conduction transportation from graphene to an insulative polymer medium: A novel approach for the conductivity of nanocomposites. Nanotechnology Reviews, 2024, 13, .	5.5	1
45	Multiphase approach for calculation of tunneling conductivity of graphene-polymer nanocomposites to optimize breast cancer biosensors. Composites Science and Technology, 2023, 232, 109852.	8.7	12
46	A modified version of conventional Halpin-Tsai model for the tensile modulus of polymer halloysite nanotube nanocomposites by filler network and nearby interphase. Surfaces and Interfaces, 2023, 36, 102547.	3.2	12
47	Simulation of electrical conductivity for polymer silver nanowires systems. Scientific Reports, 2023, 13, .	3.4	46
48	Graphene-Based Electrochemical Biosensors for Breast Cancer Detection. Biosensors, 2023, 13, 80.	4.9	82
49	Simulating Electrical Conductivity of Graphene-Filled System by Developing McLachlan Model Applicable to Breast Cancer Biosensors. Jom, 2023, 75, 954-962.	2.0	0
50	Significances of effective interphase characteristics on the Pukanszky interfacial factor and strength of halloysite-containing composites after mechanical percolation onset. Surfaces and Interfaces, 2023, 37, 102664.	3.2	3
51	Development of Kovacs model for electrical conductivity of carbon nanofiberâ€“polymer systems. Scientific Reports, 2023, 13, .	3.4	47
52	Progressing of a power model for electrical conductivity of graphene-based composites. Scientific Reports, 2023, 13, .	3.4	35
53	Modeling of electrical conductivity for graphene-based systems by filler morphology and tunneling length. Diamond and Related Materials, 2023, 134, 109782.	4.8	6
54	Effective DC Conductivity of Polymer Composites Containing Graphene Nanosheets. Jom, 2023, 75, 4485-4493.	2.0	4

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55	Simulating of effective conductivity for grapheneâ€“polymer nanocomposites. Scientific Reports, 2023, 13, .	3.4	18
56	Synthesis of Fe-Doped Peroxidase Mimetic Nanozymes from Natural Hemoglobin for Colorimetric Biosensing and In Vitro Anticancer Effects. Biosensors, 2023, 13, 583.	4.9	6
57	Influences of Tunneling Distance and Interphase Size on the Conductivity of Graphene-Filled Nanomaterials. Jom, 2023, 75, 4059-4067.	2.0	1
58	Effect of contact number among graphene nanosheets on the conductivities of tunnels and polymer composites. Scientific Reports, 2023, 13, .	3.4	15
59	Influences of graphene morphology and contact distance between nanosheets on the effective conductivity of polymer nanocomposites. Journal of Materials Research and Technology, 2023, 25, 3588-3597.	6.1	41
60	A Simple Model for Electrical Conductivity of Carbon Nanofiber Polymer Composites. Jom, 2023, 75, 3365-3372.	2.0	2
61	Effect of interphase region on the Young's modulus of polymer nanocomposites reinforced with cellulose nanocrystals. Surfaces and Interfaces, 2023, 39, 102922.	3.2	11
62	A model for predicting tensile modulus of polymer nanocomposites reinforced with cellulose nanocrystals. Cellulose, 2023, 30, 9261-9270.	4.4	8
63	Prediction of interphase parameters for nanocellulose composites using a modified Halpinâ€“Tsai approach. Cellulose, 2023, 30, 9439-9452.	4.4	11
64	Predicting of tunneling resistivity between adjacent nanosheets in grapheneâ€“polymer systems. Scientific Reports, 2023, 13, .	3.4	6
65	A review on polymeric nanocomposites for the electrochemical sensing of breast cancer biomarkers. Microchemical Journal, 2023, 195, 109528.	4.7	10
66	Electrochemical micro- and nanobiosensors for in vivo reactive oxygen/nitrogen species measurement in the brain. Nanotechnology Reviews, 2023, 12, .	5.5	4
67	A developed Takayanagi model to estimate the tensile modulus and interphase characteristics of polymer nanocellulose composites. Industrial Crops and Products, 2023, 206, 117703.	5.8	7
68	Percolation onset and conductivity of nanocomposites assuming an incomplete dispersion of graphene nanosheets in a polymer matrix. Physical Chemistry Chemical Physics, 2023, 25, 32460-32470.	2.7	1
69	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.	3.7	6
70	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.	4.9	1
71	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.	4.2	1
72	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.	6.1	22

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73	Progressing of Kovacs model for conductivity of graphene-filled products by total contact resistance and actual filler amount. Engineering Science and Technology, an International Journal, 2022, 34, 101079.	2.4	2
74	Interfacial stress transfer factor and tensile strength of polymer halloysite nanotubes systems. Polymer Composites, 2022, 43, 2064-2072.	4.9	4
75	Simple models for tensile modulus of shape memory polymer nanocomposites at ambient temperature. Nanotechnology Reviews, 2022, 11, 874-882.	5.5	5
76	Development of a model for modulus of polymer halloysite nanotube nanocomposites by the interphase zones around dispersed and networked nanotubes. Scientific Reports, 2022, 12, .	3.4	26
77	A simple model for gas barrier performance of polymer nanocomposites considering filler alignment angle and diffusion direction. Composites Science and Technology, 2022, 230, 109397.	8.7	13
78	Advanced Kolarik model for the modulus of a nanocomposite system reinforced by halloysite nanotubes and interphase zone. Polymer Composites, 2022, 43, 2963-2971.	4.9	6
79	Effect of contact resistance on the electrical conductivity of polymer graphene nanocomposites to optimize the biosensors detecting breast cancer cells. Scientific Reports, 2022, 12, .	3.4	32
80	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.	5.8	5
81	Two-Stage Modeling of Tensile Strength for a Carbon-Nanotube-Based System Applicable in the Biomedical Field. Jom, 2022, 74, 3059-3068.	2.0	10
82	Osteogenesis capability of three-dimensionally printed poly(lactic acid)-halloysite nanotube scaffolds containing strontium ranelate. Nanotechnology Reviews, 2022, 11, 1901-1910.	5.5	31
83	Intelligent modeling and optimization of titanium surface etching for dental implant application. Scientific Reports, 2022, 12, .	3.4	14
84	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.	6.1	22
85	The least length of halloysite nanotubes allowing the operative stress shifting via imperfect interphase after percolation onset for the strength of nanocomposites applicable in the biomedical products. Polymer Composites, 2022, 43, 4930-4941.	4.9	0
86	Modeling of mechanical behaviors and interphase properties of polymer/nanodiamond composites for biomedical products. Journal of Materials Research and Technology, 2022, 19, 2750-2758.	6.1	36
87	Progression of O uali model by the strengthening and percolating efficacies of interphase for polymer halloysite nanotubes composites applicable in the biomedical products. Polymer Composites, 2022, 43, 5967-5976.	4.9	4
88	Crucial interfacial shear strength to consider an imperfect interphase in halloysite-nanotube-filled biomedicalÂsamples. Journal of Materials Research and Technology, 2022, 19, 3777-3787.	6.1	12
89	Effective Conductivity of Carbon-Nanotube-Filled Systems by Interfacial Conductivity to Optimize Breast Cancer Cell Sensors. Nanomaterials, 2022, 12, 2383.	4.0	1
90	Tensile Modulus of Polymer Halloysite Nanotube Systems Containing Fillerâ€"Interphase Networks for Biomedical Requests. Materials, 2022, 15, 4715.	2.9	3

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91	Advancement of the Power-Law Model and Its Percolation Exponent for the Electrical Conductivity of a Graphene-Containing System as a Component in the Biosensing of Breast Cancer. Polymers, 2022, 14, 3057.	4.5	8
92	Predicting of electrical conductivity for graphene-filled products by tunneling mechanism and interphase piece to enhance the performance of breast cancer biosensors. European Physical Journal Plus, 2022, 137, .	2.5	2
93	Simulation of Tensile Strength for Halloysite Nanotube-Filled System. Jom, 2022, 75, 592-602.	2.0	5
94	Modeling of Electrical Conductivity for Graphene-Filled Products Assuming Interphase, Tunneling Effect, and Filler Agglomeration Optimizing Breast Cancer Biosensors. Materials, 2022, 15, 6303.	2.9	7
95	An innovative model for conductivity of graphene-based system by networked nano-sheets, interphase and tunneling zone. Scientific Reports, 2022, 12, .	3.4	33
96	Electrical conductivity of graphene-containing composites by the conduction and volume share of networked interphase and the properties of tunnels applicable in breast cancer sensors. Journal of Materials Science, 2022, 57, 17637-17648.	3.4	3
97	Electrochemical biosensors based on polymer nanocomposites for detecting breast cancer: Recent progress and future prospects. Advances in Colloid and Interface Science, 2022, 309, 102795.	17.5	102
98	Co3O4 nanoparticles embedded in electrospun carbon nanofibers as free-standing nanocomposite electrodes as highly sensitive enzyme-free glucose biosensors. Reviews on Advanced Materials Science, 2022, 61, 744-755.	2.8	17
99	Modeling of Electrical Conductivity for Polymerâ€“Carbon Nanofiber Systems. Materials, 2022, 15, 7041.	2.9	10
100	Minimum Halloysite Length for Efficient Load Transfer Through the Interphase of Polymer Nanocomposites in Biomedical Applications. Jom, 2022, 75, 669-678.	2.0	4
101	A Review on Non-Enzymatic Electrochemical Biosensors of Glucose Using Carbon Nanofiber Nanocomposites. Biosensors, 2022, 12, 1004.	4.9	55
102	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.	5.8	192
103	Electrical conductivity of interphase zone in polymer nanocomposites by carbon nanotubes properties and interphase depth. Journal of Applied Polymer Science, 2021, 138, .	2.7	8
104	Biosensing Applications of Polyaniline (PANI)-Based Nanocomposites: A Review. Polymer Reviews, 2021, 61, 553-597.	14.2	145
105	Formulation of tunneling resistance between neighboring carbon nanotubes in polymer nanocomposites. Engineering Science and Technology, an International Journal, 2021, 24, 605-610.	2.4	9
106	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.	5.5	38
107	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.	6.6	28
108	Development of Ji Micromechanics Model for Electrical Conductivity of Carbon Nanotubes-reinforced Samples. Fibers and Polymers, 2021, 22, 1889-1898.	2.0	2

#	ARTICLE	IF	CITATIONS
109	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.	2.0	2
110	Development and simplification of a micromechanic model for conductivity of carbon nanotubes-reinforced nanocomposites. Journal of Polymer Research, 2021, 28, .	2.5	1
111	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.	2.0	3
112	A two-step technique established by simple models to estimate the tensile strength of halloysite nanotubes-filled nanocomposites. Polymer Testing, 2021, 96, 107073.	5.4	2
113	Simulation of tensile strength for halloysite nanotubes/polymer composites. Applied Clay Science, 2021, 205, 106055.	5.5	13
114	Simulation of relaxation time and storage modulus for carbon nanotubes-based nanocomposites. Journal of Materials Research and Technology, 2021, 12, 500-511.	6.1	4
115	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.	2.0	0
116	Local delivery of chemotherapeutic agent in tissue engineering based on gelatin/graphene hydrogel. Journal of Materials Research and Technology, 2021, 12, 412-422.	6.1	35
117	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, .	2.7	1
118	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.	4.0	3
119	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, .	2.5	14
120	Tensile modulus of clayâ€reinforced system supposing the interphase effectiveness for load transferring. Polymer Composites, 2021, 42, 5465-5474.	4.9	5
121	Micromechanics simulation of electrical conductivity for carbon-nanotube-filled polymer system by adjusting Ouali model. European Physical Journal Plus, 2021, 136, .	2.5	10
122	Modeling of Stress Relaxation Modulus for a Nanocomposite Biosensor by Relaxation Time, Yield Stress, and Zero Complex Viscosity. Jom, 2021, 73, 3693-3701.	2.0	6
123	Tensile strength of carbonâ€nanotubeâ€based nanocomposites by the effective characteristics of interphase area nearby the filler network. Polymer Composites, 2021, 42, 6488-6499.	4.9	14
124	A hybrid approach for in-situ synthesis of bioceramic nanocomposites to adjust the physicochemical and biological characteristics. Journal of Materials Research and Technology, 2021, 14, 464-474.	6.1	9
125	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.	4.7	3
126	The interphase degradation in a nanobiosensor including biopolymers and carbon nanotubes. Sensors and Actuators A: Physical, 2021, 331, 112967.	4.5	3

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127	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.	5.2	10
128	Percolation onset and electrical conductivity for a multiphase system containing carbon nanotubes and nanoclay. Journal of Materials Research and Technology, 2021, 15, 1777-1788.	6.1	25
129	A simple model for determining the strength of polymer halloysite nanotube systems. Composites Part B: Engineering, 2021, 227, 109411.	12.8	9
130	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.	6.1	19
131	Tuning of a mechanics model for the electrical conductivity of CNT-filled samples assuming extended CNT. European Physical Journal Plus, 2021, 137, .	2.5	1
132	Significances of interphase conductivity and tunneling resistance on the conductivity of carbon nanotubes nanocomposites. Polymer Composites, 2020, 41, 748-756.	4.9	90
133	Simulation of Percolation Threshold, Tunneling Distance, and Conductivity for Carbon Nanotube (CNT)-Reinforced Nanocomposites Assuming Effective CNT Concentration. Polymers, 2020, 12, 114.	4.5	34
134	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.	5.8	19
135	Modeling the effect of interfacial conductivity between polymer matrix and carbon nanotubes on the electrical conductivity of nanocomposites. RSC Advances, 2020, 10, 424-433.	4.4	10
136	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.	4.9	10
137	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.	3.7	9
138	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.	4.2	4
139	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.	6.1	70
140	Interfacial factors affecting the strengthening efficacy of nanoclay in nanocomposites. Construction and Building Materials, 2020, 260, 119868.	7.6	5
141	Advancement of a model for electrical conductivity of polymer nanocomposites reinforced with carbon nanotubes by a known model for thermal conductivity. Engineering With Computers, 2020, 38, 2497-2507.	3.9	6
142	Polymer tunneling resistivity between adjacent carbon nanotubes (CNT) in polymer nanocomposites. Journal of Physics and Chemistry of Solids, 2020, 147, 109664.	4.7	9
143	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.	2.0	16
144	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.	6.1	31

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145	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.	3.7	3
146	Estimation of average contact number of carbon nanotubes (CNTs) in polymer nanocomposites to optimize the electrical conductivity. Engineering With Computers, 2020, , .	3.9	0
147	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.	6.1	18
148	Experimental data and modeling of storage and loss moduli for a biosensor based on polymer nanocomposites. Results in Physics, 2020, 19, 103537.	4.0	11
149	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.	4.0	7
150	Two-Stage Simulation of Tensile Modulus of Carbon Nanotube (CNT)-Reinforced Nanocomposites After Percolation Onset Using the Ouali Approach. Jom, 2020, 72, 3943-3951.	2.0	9
151	Effect of interfacial/interphase conductivity on the electrical conductivity of polymer carbon nanotubes nanocomposites. Engineering With Computers, 2020, 38, 315-324.	3.9	9
152	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.	5.5	12
153	Model Progress for Tensile Power of Polymer Nanocomposites Reinforced with Carbon Nanotubes by Percolating Interphase Zone and Network Aspects. Polymers, 2020, 12, 1047.	4.5	4
154	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.	7.6	17
155	Modeling the Effects of Filler Network and Interfacial Shear Strength on the Mechanical Properties of Carbon Nanotube-Reinforced Nanocomposites. Jom, 2020, 72, 2184-2190.	2.0	9
156	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.	3.4	90
157	A facile and simple approach to synthesis and characterization of methacrylated graphene oxide nanostructured polyaniline nanocomposites. Nanotechnology Reviews, 2020, 9, 53-60.	5.5	42
158	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.	4.7	10
159	Calculation of tunneling distance in carbon nanotubes nanocomposites: effect of carbon nanotube properties, interphase and networks. Journal of Materials Science, 2020, 55, 5471-5480.	3.4	22
160	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.	4.1	9
161	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.	4.0	6
162	Simulation of tunneling distance and electrical conductivity for polymer carbon nanotubes nanocomposites by interphase thickness and network density. Polymer Composites, 2020, 41, 2401-2410.	4.9	7

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163	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.	3.4	6
164	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.	6.1	28
165	Calculation of the Electrical Conductivity of Polymer Nanocomposites Assuming the Interphase Layer Surrounding Carbon Nanotubes. Polymers, 2020, 12, 404.	4.5	38
166	Study on the Effects of the Interphase Region on the Network Properties in Polymer Carbon Nanotube Nanocomposites. Polymers, 2020, 12, 182.	4.5	29
167	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.	4.5	12
168	Effects of carbon nanotubes and interphase properties on the interfacial conductivity and electrical conductivity of polymer nanocomposites. Polymer International, 2020, 69, 413-422.	3.4	4
169	Effects of network, tunneling, and interphase properties on the operative tunneling resistance in polymer carbon nanotubes (CNTs) nanocomposites. Polymer Composites, 2020, 41, 2907-2916.	4.9	6
170	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.	4.4	5
171	Analysis of the Connecting Effectiveness of the Interphase Zone on the Tensile Properties of Carbon Nanotubes (CNT) Reinforced Nanocomposite. Polymers, 2020, 12, 896.	4.5	18
172	A simple and sensible equation for interphase potency in carbon nanotubes (CNT) reinforced nanocomposites. Journal of Materials Research and Technology, 2020, 9, 6488-6496.	6.1	17
173	An experimental study on one-step and two-step foaming of natural rubber/silica nanocomposites. Nanotechnology Reviews, 2020, 9, 427-435.	5.5	25
174	A highly sensitive biosensor based on methacrylated graphene oxide-grafted polyaniline for ascorbic acid determination. Nanotechnology Reviews, 2020, 9, 760-767.	5.5	52
175	Microfluidic-assisted synthesis and modelling of monodispersed magnetic nanocomposites for biomedical applications. Nanotechnology Reviews, 2020, 9, 1397-1407.	5.5	21
176	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.	12.8	73
177	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.	12.8	81
178	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.	4.2	27
179	Evaluation of the Tensile Strength in Carbon Nanotube-Reinforced Nanocomposites Using the Expanded Takayanagi Model. Jom, 2019, 71, 3980-3988.	2.0	76
180	Modeling the roles of carbon nanotubes and interphase dimensions in the conductivity of nanocomposites. Results in Physics, 2019, 15, 102562.	4.0	74

#	ARTICLE	IF	CITATIONS
181	Following the morphological and thermal properties of PLA/PEO blends containing carbon nanotubes (CNTs) during hydrolytic degradation. Composites Part B: Engineering, 2019, 175, 107132.	12.8	90
182	Explanation of main tunneling mechanism in electrical conductivity of polymer/carbon nanotubes nanocomposites by interphase percolation. Polymer Bulletin, 2019, 76, 5717-5731.	3.1	10
183	A Simulation Work for the Influences of Aggregation/Agglomeration of Clay Layers on the Tensile Properties of Nanocomposites. Jom, 2019, 71, 3989-3995.	2.0	81
184	Tensile strength prediction of carbon nanotube reinforced composites by expansion of cross-orthogonal skeleton structure. Composites Part B: Engineering, 2019, 161, 601-607.	12.8	79
185	Effects of interphase regions and tunneling distance on the electrical conductivity of polymer carbon nanotubes nanocomposites. Carbon Letters, 2019, 29, 567-577.	4.9	4
186	The complex viscosity of polymer carbon nanotubes nanocomposites as a function of networks properties. Carbon Letters, 2019, 29, 535-545.	4.9	5
187	A developed equation for electrical conductivity of polymer carbon nanotubes (CNT) nanocomposites based on Halpin-Tsai model. Results in Physics, 2019, 14, 102406.	4.0	71
188	Degradation biosensing performance of polymer blend carbon nanotubes (CNTs) nanocomposites. Sensors and Actuators A: Physical, 2019, 295, 113-124.	4.5	15
189	Effects of interphase regions and filler networks on the viscosity of PLA/PEO/carbon nanotubes biosensor. Polymer Composites, 2019, 40, 4135-4141.	4.9	79
190	Analysis of complex viscosity and shear thinning behavior in poly (lactic acid)/poly (ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T 102245.	4.0	137
191	A multistep methodology for effective conductivity of carbon nanotubes reinforced nanocomposites. Journal of Alloys and Compounds, 2019, 793, 1-8.	6.0	43
192	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.	3.3	22
193	The effective conductivity of polymer carbon nanotubes (CNT) nanocomposites. Journal of Physics and Chemistry of Solids, 2019, 131, 15-21.	4.7	80
194	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.	12.8	79
195	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.	5.8	83
196	The roles of interphase and filler dimensions in the properties of tunneling spaces between CNT in polymer nanocomposites. Polymer Composites, 2019, 40, 801-810.	4.9	85
197	Effect of â€œZâ€•factor for strength of interphase layers on the tensile strength of polymer nanocomposites. Polymer Composites, 2019, 40, 1117-1122.	4.9	72
198	A model for the tensile modulus of polymer nanocomposites assuming carbon nanotube networks and interphase zones. Acta Mechanica, 2019, 231, 35-45.	2.3	4

#	ARTICLE	IF	CITATIONS
199	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.	4.5	75
200	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.	5.2	7
201	Dependence of mechanical performances of polymer/carbon nanotubes nanocomposites on percolation threshold. Physica B: Condensed Matter, 2018, 533, 69-75.	2.7	74
202	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.	3.3	75
203	Prediction of complex modulus in phase-separated poly (lactic acid)/poly (ethylene oxide)/carbon nanotubes nanocomposites. Polymer Testing, 2018, 66, 189-194.	5.4	36
204	The percolation threshold for tensile strength of polymer/CNT nanocomposites assuming filler network and interphase regions. Materials Chemistry and Physics, 2018, 207, 76-83.	4.4	83
205	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.	5.4	19
206	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.	12.8	78
207	A simple model for electrical conductivity of polymer carbon nanotubes nanocomposites assuming the filler properties, interphase dimension, network level, interfacial tension and tunneling distance. Composites Science and Technology, 2018, 155, 252-260.	8.7	83
208	Analysis of the roles of interphase, waviness and agglomeration of CNT in the electrical conductivity and tensile modulus of polymer/CNT nanocomposites by theoretical approaches. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 29-36.	5.2	81
209	A model for tensile strength of polymer/carbon nanotubes nanocomposites assuming the percolation of interphase regions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 148-154.	5.2	80
210	Roles of filler dimensions, interphase thickness, waviness, network fraction, and tunneling distance in tunneling conductivity of polymer CNT nanocomposites. Materials Chemistry and Physics, 2018, 206, 243-250.	4.4	26
211	Tensile modulus of polymer/CNT nanocomposites containing networked and dispersed nanoparticles. AIChE Journal, 2018, 64, 220-225.	3.7	7
212	A multistep methodology for calculation of the tensile modulus in polymer/carbon nanotube nanocomposites above the percolation threshold based on the modified rule of mixtures. RSC Advances, 2018, 8, 30986-30993.	4.4	80
213	Predicting the electrical conductivity in polymer carbon nanotube nanocomposites based on the volume fractions and resistances of the nanoparticle, interphase, and tunneling regions in conductive networks. RSC Advances, 2018, 8, 19001-19010.	4.4	78
214	Considering the filler network as a third phase in polymer/CNT nanocomposites to predict the tensile modulus using Hashin-Hansen model. Physica B: Condensed Matter, 2018, 541, 69-74.	2.7	9
215	Prediction of storage modulus in solid-like poly (lactic acid)/poly (ethylene oxide)/carbon nanotubes nanocomposites assuming the contributions of nanoparticles and interphase regions in the networks. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 86, 368-374.	3.3	30
216	Estimation of the tensile modulus of polymer carbon nanotube nanocomposites containing filler networks and interphase regions by development of the Kolarik model. RSC Advances, 2018, 8, 23825-23834.	4.4	36

#	ARTICLE	IF	CITATIONS
217	A power model to predict the electrical conductivity of CNT reinforced nanocomposites by considering interphase, networks and tunneling condition. Composites Part B: Engineering, 2018, 155, 11-18.	12.8	78
218	Development of Hashin-Shtrikman model to determine the roles and properties of interphases in clay/CaCO3/PP ternary nanocomposite. Applied Clay Science, 2017, 137, 176-182.	5.5	79
219	Modeling of tensile strength in polymer particulate nanocomposites based on material and interphase properties. Journal of Applied Polymer Science, 2017, 134, .	2.7	12
220	Evaluation of nanoparticle dispersion and its influence on the tensile modulus of polymer nanocomposites by a modeling method. Colloid and Polymer Science, 2017, 295, 363-369.	2.1	17
221	Accounting the reinforcing efficiency and percolating role of interphase regions in tensile modulus of polymer/CNT nanocomposites. European Polymer Journal, 2017, 87, 389-397.	5.9	79
222	Influences of nanoparticles aggregation/agglomeration on the interfacial/interphase and tensile properties of nanocomposites. Composites Part B: Engineering, 2017, 122, 41-46.	12.8	313
223	Predictions of Takayanagi model for tensile modulus of polymer/CNT nanocomposites by properties of nanoparticles and filler network. Colloid and Polymer Science, 2017, 295, 1039-1047.	2.1	3
224	Effects of pseudoinclusions containing intercalated Mt platelets on the tensile modulus and strength of Mt/polymer nanocomposites. Applied Clay Science, 2017, 143, 408-414.	5.5	1
225	Development of a conventional model to predict the electrical conductivity of polymer/carbon nanotubes nanocomposites by interphase, waviness and contact effects. Composites Part A: Applied Science and Manufacturing, 2017, 100, 305-312.	8.1	88
226	Efficiency of stress transfer between polymer matrix and nanoplatelets in clay/polymer nanocomposites. Applied Clay Science, 2017, 143, 265-272.	5.5	82
227	Tensile modulus of polymer/CNT nanocomposites by effective volume fraction of nanoparticles as a function of CNT properties in the network. Polymers for Advanced Technologies, 2017, 28, 1448-1452.	3.3	6
228	The mechanical behavior of CNT reinforced nanocomposites assuming imperfect interfacial bonding between matrix and nanoparticles and percolation of interphase regions. Composites Science and Technology, 2017, 144, 18-25.	8.7	83
229	Prediction of tensile modulus in polymer nanocomposites containing carbon nanotubes (CNT) above percolation threshold by modification of conventional model. Current Applied Physics, 2017, 17, 873-879.	2.7	85
230	A two-step model for the tunneling conductivity of polymer carbon nanotube nanocomposites assuming the conduction of interphase regions. RSC Advances, 2017, 7, 50225-50233.	4.4	78
231	Mathematical Simplification of the Tandonâ€"Weng Approach to the Moriâ€"Tanaka Model for Estimating the Youngâ€™s Modulus of Clay/Polymer Nanocomposites. Jom, 2017, 69, 2819-2824.	2.0	4
232	Predictions of micromechanics models for interfacial/interphase parameters in polymer/metal nanocomposites. International Journal of Adhesion and Adhesives, 2017, 79, 111-116.	3.3	78
233	The reinforcing and characteristics of interphase as the polymer chains adsorbed on the nanoparticles in polymer nanocomposites. Colloid and Polymer Science, 2017, 295, 2001-2010.	2.1	12
234	A two-step technique for tensile strength of montmorillonite/polymer nanocomposites assuming filler morphology and interphase properties. Applied Clay Science, 2017, 150, 42-46.	5.5	17

#	ARTICLE	IF	CITATIONS
235	Development and modification of conventional Ouali model for tensile modulus of polymer/carbon nanotubes nanocomposites assuming the roles of dispersed and networked nanoparticles and surrounding interphases. Journal of Colloid and Interface Science, 2017, 506, 283-290.	9.9	77
236	Theoretical characterization of interphase properties in polymer nanocomposites. Colloid and Polymer Science, 2017, 295, 1535-1540.	2.1	8
237	A simple methodology to predict the tunneling conductivity of polymer/CNT nanocomposites by the roles of tunneling distance, interphase and CNT waviness. RSC Advances, 2017, 7, 34912-34921.	4.4	78
238	Development of a Model for Electrical Conductivity of Polymer/Graphene Nanocomposites Assuming Interphase and Tunneling Regions in Conductive Networks. Industrial & Engineering Chemistry Research, 2017, 56, 9107-9115.	3.8	75
239	Multistep modeling of Youngâ€™s modulus in polymer/clay nanocomposites assuming the intercalation/exfoliation of clay layers and the interphase between polymer matrix and nanoparticles. Composites Part A: Applied Science and Manufacturing, 2017, 102, 137-144.	8.1	82
240	Expansion of Kolarik model for tensile strength of polymer particulate nanocomposites as a function of matrix, nanoparticles and interphase properties. Journal of Colloid and Interface Science, 2017, 506, 582-588.	9.9	21
241	Evaluation of Mechanical Properties in Nanocomposites Containing Carbon Nanotubes Below and Above Percolation Threshold. Jom, 2017, 69, 2762-2767.	2.0	6
242	An approach to study the roles of percolation threshold and interphase in tensile modulus of polymer/clay nanocomposites. Journal of Colloid and Interface Science, 2017, 486, 249-254.	9.9	76
243	The level of matrix-filler interfacial adhesion in metal and polymer nanocomposites reinforced with carbon nanotubes. Journal of Adhesion, 2017, 93, 1109-1119.	2.9	3
244	A Twoâ€Step Method Based on Micromechanical Models to Predict the Young's Modulus of Polymer Nanocomposites. Macromolecular Materials and Engineering, 2016, 301, 846-852.	4.1	40
245	Development of simplified Tandonâ€Weng solutions of Moriâ€Tanaka theory for Young's modulus of polymer nanocomposites considering the interphase. Journal of Applied Polymer Science, 2016, 133, .	2.7	10
246	Development of cubic orthogonal skeleton or three perpendicular plates system for prediction of Youngâ€™s modulus in polymer nanocomposites assuming the interphase. Colloid and Polymer Science, 2016, 294, 2071-2078.	2.1	8
247	Shear, Bulk, and Youngâ€™s Moduli of Clay/Polymer Nanocomposites Containing the Stacks of Intercalated Layers as Pseudoparticles. Nanoscale Research Letters, 2016, 11, .	3.9	16
248	Effects of imperfect interfacial adhesion between polymer and nanoparticles on the tensile modulus of clay/polymer nanocomposites. Applied Clay Science, 2016, 129, 65-70.	5.5	92
249	Simple expressions of bulk and shear moduli of polymer/clay nanocomposites by Tandonâ€“Weng approach assuming 3D randomly oriented platelets. Journal of Reinforced Plastics and Composites, 2016, 35, 1318-1326.	2.5	1
250	The roles of nanoparticles accumulation and interphase properties in properties of polymer particulate nanocomposites by a multi-step methodology. Composites Part A: Applied Science and Manufacturing, 2016, 91, 127-132.	8.1	92
251	A model for tensile strength of polymer/clay nanocomposites assuming complete and incomplete interfacial adhesion between the polymer matrix and nanoparticles by the average normal stress in clay platelets. RSC Advances, 2016, 6, 57969-57976.	4.4	81
252	Development of Nicolaisâ€“Narkis model for yield strength of polymer nanocomposites reinforced with spherical nanoparticles. International Journal of Adhesion and Adhesives, 2016, 70, 191-195.	3.3	44

#	ARTICLE	IF	CITATIONS
253	A comparative study to predict the interphase modulus in polymer nanocomposites. Journal of Applied Polymer Science, 2016, 133, .	2.7	2
254	Modeling the yield strength of polymer nanocomposites based upon nanoparticle agglomeration and polymerâ€“filler interphase. Journal of Colloid and Interface Science, 2016, 467, 165-169.	9.9	78
255	Polymer/metal nanocomposites for biomedical applications. Materials Science and Engineering C, 2016, 60, 195-203.	5.8	262
256	Modeling the strength and thickness of the interphase in polymer nanocomposite reinforced with spherical nanoparticles by a coupling methodology. Journal of Colloid and Interface Science, 2016, 465, 342-346.	9.9	74
257	Development of Halpin-Tsai model for polymer nanocomposites assuming interphase properties and nanofiller size. Polymer Testing, 2016, 51, 69-73.	5.4	115
258	Modeling approach for tensile strength of interphase layers in polymer nanocomposites. Journal of Colloid and Interface Science, 2016, 471, 89-93.	9.9	83
259	Study of nanoparticles aggregation/agglomeration in polymer particulate nanocomposites by mechanical properties. Composites Part A: Applied Science and Manufacturing, 2016, 84, 158-164.	8.1	525
260	â€œ a â€•interfacial parameter in Nicolaisâ€“Narkis model for yield strength of polymer particulate nanocomposites as a function of material and interphase properties. Journal of Colloid and Interface Science, 2016, 470, 245-249.	9.9	81
261	Study on interfacial properties in polymer blend ternary nanocomposites: Role of nanofiller content. Computational Materials Science, 2016, 111, 334-338.	3.2	76
262	Assumption of interphase properties in classical Christensenâ€“Lo model for Young's modulus of polymer nanocomposites reinforced with spherical nanoparticles. RSC Advances, 2015, 5, 95532-95538.	4.4	82
263	Thickness, modulus and strength of interphase in clay/polymer nanocomposites. Applied Clay Science, 2015, 105-106, 66-70.	5.5	86
264	New models for yield strength of polymer/clay nanocomposites. Composites Part B: Engineering, 2015, 73, 111-117.	12.8	86
265	Modeling of tensile modulus in polymer/carbon nanotubes (CNT) nanocomposites. Synthetic Metals, 2015, 202, 68-72.	4.5	74
266	A developed model to assume the interphase properties in a ternary polymer nanocomposite reinforced with two nanofillers. Composites Part B: Engineering, 2015, 75, 29-35.	12.8	81
267	Effects of interphase on tensile strength of polymer/CNT nanocomposites by Kellyâ€“Tyson theory. Mechanics of Materials, 2015, 85, 1-6.	3.7	150
268	Estimation of material and interfacial/interphase properties in clay/polymer nanocomposites by yield strength data. Applied Clay Science, 2015, 115, 61-66.	5.5	83
269	A simple technique for determination of interphase properties in polymer nanocomposites reinforced with spherical nanoparticles. Polymer, 2015, 72, 93-97.	4.1	85
270	An analysis of interfacial adhesion in nanocomposites from recycled polymers. Computational Materials Science, 2014, 81, 612-616.	3.2	75

#	ARTICLE	IF	CITATIONS
271	Determination of polymerâ€“nanoparticles interfacial adhesion and its role in shape memory behavior of shape memory polymer nanocomposites. International Journal of Adhesion and Adhesives, 2014, 54, 67-71.	3.3	80
272	Modeling of interfacial bonding between two nanofillers (montmorillonite and CaCO3) and a polymer matrix (PP) in a ternary polymer nanocomposite. Applied Surface Science, 2014, 321, 219-225.	6.7	83
273	Recent progress on preparation and properties of nanocomposites from recycled polymers: A review. Waste Management, 2013, 33, 598-604.	7.2	148
274	Analysis of tensile modulus of PP/nanoclay/CaCO3 ternary nanocomposite using composite theories. Journal of Applied Polymer Science, 2012, 123, 2309-2319.	2.7	74
275	Nonisothermal crystallization and melting behavior of PP/nanoclay/CaCO3 ternary nanocomposite. Journal of Applied Polymer Science, 2012, 124, 1225-1233.	2.7	73
276	Optimization of mechanical properties of PP/Nanoclay/CaCO3 ternary nanocomposite using response surface methodology. Journal of Applied Polymer Science, 2011, 122, 3188-3200.	2.7	94
277	Multifactorial predicting of conductivity in polymer nanocomposites with graphene: Insights into imperfect interphase conduction. Polymer Composites, 0, 46, 12197-12207.	4.9	1
278	Significance of Interphase Depth and ClayAggregation/Agglomeration on the Young's ModulusÂof Nanocomposites. Polymer Composites, 0, 47, 176-185.	4.9	1
279	Impacts of nanodiamond size and interphase depth on the tensile modulus of polymer composites. Diamond and Related Materials, 0, 159, 112803.	4.8	2
280	Nanodiamond agglomeration in polymer composites: A practical model predicting the tensile modulus. Journal of Materials Research and Technology, 0, 38, 5649-5656.	6.1	1
281	New insights to effective carbon nanofiber features due to defective interphase for prediction of tunneling conductivity in composites. Scientific Reports, 0, 15, .	3.4	8
282	Unraveling the roles of network and tunnels in the conductivity of carbon nanofiber composites. Scientific Reports, 0, 15, .	3.4	7
283	Interfacial stress transfer and nanoparticle size as key factors in the strength of hydroxyapatite-polymer dental nanocomposites. Dental Materials, 0, 42, 292-302.	3.7	1
284	Modeling of Tunneling Distance Among Nearby Carbon Nanofibers to Control the Tunneling Resistance and Electrical Conductivity of Composites. Polymer Composites, 0, 47, 6503-6511.	4.9	0
285	Estimating the Conductivity of a Partial Interphase and Its Impact on the Tunneling Conductivity of Carbon Nanofiberâ€Filled Samples. Polymer Composites, 0, 47, 6600-6612.	4.9	0
286	Interpreting of effective interphase depth in carbon nanofiber polymer composites by the amount of conduction transferring via an incomplete interphase: A unique method to optimize the charge transferring. Composites Part A: Applied Science and Manufacturing, 0, 200, 109382.	8.1	1
287	Interpreting Electrical Conductivity for Carbon Nanofiberâ€Polymer Systems by a Modeling Approach. Polymer Composites, 0, 47, 4527-4540.	4.9	0
288	Estimating of contact area among carbon nanofibers in nanocomposites by the features of network, tunnel and interphase. Scientific Reports, 0, 15, .	3.4	4

#	ARTICLE	IF	CITATIONS
289	Analysis of tunneling conductivity for MXene polymer system by the network of interphase: parametric examinations and experimental validation. Scientific Reports, 0, 15, .	3.4	3
290	Predicting of tunneling conductivity for polymer-carbon black nanocomposites by interphase percolation. Scientific Reports, 0, 15, .	3.4	10
291	Unraveling of electrical conductivity for nanocomposites containing carbon black: a new insight into tunneling resistance. Scientific Reports, 0, 15, .	3.4	2
292	Mechanical percolation in nanocellulose-filled composites: a model for the modulus of composites containing nanocellulose/interphase network. Cellulose, 0, 33, 813-826.	4.4	0
293	Analysis of an incomplete interphase in carbon nanofiber polymer composites: A new approach for conductivity improvement. Diamond and Related Materials, 0, 162, 113288.	4.8	0
294	A novel methodology to describe the impact of conduction transporting via a deficient interphase on the conductivity of carbon nanofiber composites. Journal of Materials Research and Technology, 0, 41, 2593-2601.	6.1	1
295	Contact diameter in polymer carbon black nanocomposites by interfacial tension, network portion, interphase depth and tunneling distance. Journal of Materials Research and Technology, 0, 41, 2904-2911.	6.1	0
296	Modeling of conductivity for carbon black nanocomposites incorporating network concentration, interphase conductivity and tunneling dimensions. Scientific Reports, 0, 16, .	3.4	0
297	Predictive modeling of conductivity for carbon black nanocomposites: influence of filler features, interfacial effects and network portion. Scientific Reports, 0, 16, .	3.4	0
298	Degree of conduction transfer through incomplete interphases controlling the conductivity of carbon nanofiber composites. Scientific Reports, 0, 16, .	3.4	0
299	Electrical conductivity of a partial interphase governing the charge transfer in carbon nanofiber polymer system. Diamond and Related Materials, 0, 163, 113433.	4.8	0
300	Estimation of contact area among carbon black nanoparticles in composites by tunneling properties, interphase depth and contact number. Scientific Reports, 0, 16, .	3.4	0
301	A comprehensive modeling of conductivity for copper nanowire polymer composites by interphase thickness and contact diameter. Journal of Materials Research and Technology, 0, 41, 5956-5965.	6.1	0
302	Estimation of electrical conductivity for polymer composites with carbon black nanoparticles by interphase depth, tunneling characteristics and network percentage. Scientific Reports, 0, 16, .	3.4	0