Tongfei T Wu Wu

List of Publications by Year
in descending order

49 papers	2,858 citations	279798 23 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	5193 citing authors

#	Article	IF	Citations
1	Chitosanâ€Functionalized Graphene Oxide as a Nanocarrier for Drug and Gene Delivery. Small, 2011, 7, 1569-1578.	10.0	800
2	Waterâ€Soluble Poly(Nâ€isopropylacrylamide)â€“Graphene Sheets Synthesized via Click Chemistry for Drug Delivery. Advanced Functional Materials, 2011, 21, 2754-2763.	14.9	426
3	Green fabrication of chitosan films reinforced with parallel aligned graphene oxide. Carbohydrate Polymers, 2011, 83, 1908-1915.	10.2	246
4	Fabrication and characterization of fully biodegradable natural fiber-reinforced poly(lactic acid) composites. Composites Part B: Engineering, 2014, 56, 717-723.	12.0	148
5	Poly(glycerol sebacate urethane)â€“Cellulose Nanocomposites with Water-Active Shape-Memory Effects. Biomacromolecules, 2014, 15, 2663-2671.	5.4	110
6	Synthesis of Multiwalled Carbon Nanotube-Reinforced Polyborosiloxane Nanocomposites with Mechanically Adaptive and Self-Healing Capabilities for Flexible Conductors. ACS Applied Materials & Interfaces, 2016, 8, 24071-24078.	8.0	92
7	Dopamine-Melanin Nanofilms for Biomimetic Structural Coloration. Biomacromolecules, 2015, 16, 660-666.	5.4	89
8	Mechanical behavior of transparent nanofibrillar celluloseâ€“chitosan nanocomposite films in dry and wet conditions. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 32, 279-286.	3.1	86
9	A self-healing, adaptive and conductive polymer composite ink for 3D printing of gas sensors. Journal of Materials Chemistry C, 2018, 6, 6200-6207.	5.5	71
10	Microstructure and antibacterial efficacy of graphene oxide nanocomposite fibres. Journal of Colloid and Interface Science, 2020, 571, 239-252.	9.4	67
11	Preparation and characterization of poly(Îµ-caprolactone)/Na+-MMT nanocomposites. Applied Clay Science, 2009, 45, 105-110.	5.2	48
12	A mechanically and electrically self-healing graphite composite dough for stencil-printable stretchable conductors. Journal of Materials Chemistry C, 2016, 4, 4150-4154.	5.5	47
13	Study on superhydrophobic hybrids fabricated from multiwalled carbon nanotubes and stearic acid. Journal of Colloid and Interface Science, 2010, 348, 265-270.	9.4	42
14	Fabrication of superhydrophobic hybrids from multiwalled carbon nanotubes and poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.7	38
15	Tapes of Cyclic Water Tetramers in the Double-Helical Complex[Cd2(bpa)2Cl4]Â·6â€‰H2O. European Journal of Inorganic Chemistry, 2005, 2005, 1230-1234.	2.0	37
16	Poly(vinyl alcohol) particle-reinforced elastomer composites with water-active shape-memory effects. European Polymer Journal, 2014, 53, 230-237.	5.4	34
17	One-Step Synthesis of Graphene Oxideâ€“Polyamidoamine Dendrimer Nanocomposite Hydrogels by Self-Assembly. Industrial & Engineering Chemistry Research, 2016, 55, 6113-6121.	3.7	33
18	Facile Fabrication of Porous Conductive Thermoplastic Polyurethane Nanocomposite Films via Solution Casting. Scientific Reports, 2017, 7, 17470.	3.3	33

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19	Cellulose fibre networks reinforced with carboxymethyl cellulose/chitosan complex layer-by-layer. Carbohydrate Polymers, 2014, 114, 500-505.	10.2	31
20	Carbon nanotube/polypropylene composite particles for microwave welding. Journal of Applied Polymer Science, 2012, 126, E283.	2.6	30
21	Preparation and properties of chitosan nanocomposite films reinforced by poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) treated carbon nanotubes. Materials Chemistry and Physics, 2011, 129, 932-938.	4.0	28
22	Pulp fiber-reinforced thermoset polymer composites: Effects of the pulp fibers and polymer. Composites Part B: Engineering, 2013, 48, 10-17.	12.0	28
23	An Ultrasensitive and Fast Moisture Sensor Based on Selfâ€Assembled Dopamineâ€“Melanin Thin Films. Advanced Materials Interfaces, 2015, 2, 1500203.	3.7	23
24	Synthesis of water-soluble dopamineâ€“melanin for ultrasensitive and ultrafast humidity sensor. Sensors and Actuators B: Chemical, 2016, 224, 178-184.	7.8	22
25	Autonomous self-healing multiwalled carbon nanotube nanocomposites with piezoresistive effect. RSC Advances, 2017, 7, 20422-20429.	3.6	22
26	Facile and Scalable Synthesis Method for High-Quality Few-Layer Graphene through Solution-Based Exfoliation of Graphite. ACS Applied Materials & Interfaces, 2017, 9, 4548-4557.	8.0	21
27	Poly(methacrylic acid)â€grafted clayâ€“thermoplastic elastomer composites with waterâ€induced shapeâ€memory effects. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1513-1522.	2.1	20
28	Humidity sensing properties of transferable polyaniline thin films formed at the airâ€“water interface. RSC Advances, 2016, 6, 96935-96941.	3.6	19
29	Characterization of poly(vinylidene fluoride)/Na⁺â€MMT composites: An investigation into the Î²â€crystalline nucleation effect of Na⁺â€MMT. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 903-911.	2.1	17
30	A preparation method of cellulose fiber networks reinforced by glutaraldehyde-treated chitosan. Cellulose, 2015, 22, 1955-1961.	4.9	15
31	Highly Stretchable Conductors Based on Expanded Graphite Macroconfined in Tubular Rubber. ACS Applied Materials & Interfaces, 2017, 9, 43239-43249.	8.0	15
32	Extremely Stretchable Vitrimers. Macromolecular Rapid Communications, 2020, 41, e2000265.	3.9	14
33	Preparation and characterization of transparent poly(methyl methacrylate)/Na⁺â€MMT nanocomposite films by solution casting. Journal of Applied Polymer Science, 2010, 115, 2773-2778.	2.6	13
34	Mechanically Adaptive and Shapeâ€Memory Behaviour of Chitosanâ€Modified Cellulose Whisker/Elastomer Composites in Different pH Environments. ChemPhysChem, 2014, 15, 2794-2800.	2.1	11
35	Cellulose fiber networks reinforced with glutaraldehydeâ€“chitosan complexes. Journal of Applied Polymer Science, 2015, 132, .	2.6	11
36	Comparison of crystallization behaviors of poly(Îµâ€caprolactone) in confined environment with that in bulk. Journal of Applied Polymer Science, 2008, 107, 3796-3803.	2.6	9

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37	Preparation of exfoliated polyacrylic clay nanocomposites with high loading: An investigation into the intercalation of ammoniumâ€terminated polyacrylic acid and polyacrylates. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2335-2340.	2.1	8
38	Synthesis and properties of monomer casting polyamide 6/poly(methyl methacrylate) blends. Journal of Applied Polymer Science, 2009, 111, 101-107.	2.6	8
39	Highly stretchable covalent adaptive networks enabled by dynamic boronic diester linkages with nitrogenâ†'boron coordination. Journal of Polymer Science, 2022, 60, 72-80.	3.8	7
40	Highly electrically conductive and injection moldable polymeric composites. Journal of Applied Polymer Science, 2011, 121, 2969-2975.	2.6	6
41	Biomimetic chitosanâ€treated clayâ€“elastomer composites with waterâ€responsive mechanically dynamic properties. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 55-62.	2.1	6
42	Rheological and mechanical properties of dynamic covalent polymers based on imine bond. Journal of Applied Polymer Science, 2021, 138, 50953.	2.6	6
43	Evaluation of ammonium terminated PMMA as compatibilizers for monomer casting polyamide6/clay nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1802-1810.	2.1	4
44	Synthesis and characterization of monomerâ€casting polyamide 6/polymethacrylic ionomer blends. Journal of Applied Polymer Science, 2009, 111, 2970-2979.	2.6	4
45	Evaluation of polymethacrylic ionomer as compatibilizers for MCPA6/clay composites. Journal of Applied Polymer Science, 2008, 110, 2727-2732.	2.6	3
46	A parallel approach to direct resolution of albuterol. Science Bulletin, 2010, 55, 2814-2816.	1.7	3
47	Nontraditional oil sorbents: Hydrophilic sponges with hydrophobic skin layer for efficient oil spill remediation. Science China Materials, 0, , 1.	6.3	3
48	Preparation and properties of selfâ€healable solidâ€state polymer electrolytes based on covalent adaptive networks enabled by disulfide bond. Journal of Polymer Science, 2022, 60, 2582-2590.	3.8	3
49	Reinforcing network structure: Analysis of the phase morphology and mechanical properties of polymer blends [poly(methyl methacrylate)/poly(ïµâ€caprolactone)] with the addition of a third polymer [poly(vinyl chloride)]. Journal of Applied Polymer Science, 2008, 108, 1044-1048.	2.6	1