Frank T Fisher

List of Publications by Year
in descending order

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34	1,048	687363 13	610901 24
papers	citations	h-index	g-index

34	34	34	1304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of ultrasonication on carbon nanotube demixing and damage in polymer nanocomposites. Journal of Applied Polymer Science, 2020, 137, 49370.	2.6	2
2	Nanoconfinement and Salt Synergistically Suppress Crystallization in Polyethylene Oxide. Macromolecules, 2020, 53, 1494-1501.	4.8	8
3	Nanoscale viscosity of confined polyethylene oxide. Physical Review E, 2019, 100, 062503.	2.1	3
4	Resonant frequency tuning of electroactive polymer membranes via an applied bias voltage. Smart Materials and Structures, 2018, 27, 114005.	3.5	11
5	Effect of multistage sonication on dispersive mixing of polymer nanocomposites characterized via shearâ€induced crystallization behavior. Journal of Applied Polymer Science, 2017, 134, .	2.6	5
6	A controllable way to measure the interfacial strength between carbon nanotube and polymer using a nanobridge structure. Carbon, 2017, 116, 510-517.	10.3	13
7	Mixing, Coating, and Shaping. , 2017, , 169-191.		0
8	Direct transfer of corrugated graphene sheets as stretchable electrodes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, .	1.2	9
9	Application of mechanical stretch to tune the resonance frequency of hyperelastic membrane-based energy harvesters. Sensors and Actuators A: Physical, 2016, 252, 165-173.	4.1	13
10	Annular Coated Inclusion model and applications for polymer nanocomposites â€“ Part II: Cylindrical inclusions. Mechanics of Materials, 2016, 101, 50-60.	3.2	16
11	Distributive mixing of carbon nanotubes in poly(caprolactone) via solution and melt processing: Viscoelasticity and crystallization behavior versus mixing indices. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2254-2268.	2.1	11
12	Reverse Kebab Structure Formed inside Carbon Nanofibers via Nanochannel Flow. Langmuir, 2015, 31, 10047-10055.	3.5	5
13	Resonant frequency of mass-loaded membranes for vibration energy harvesting applications. AIMS Energy, 2015, 3, 344-359.	1.9	15
14	Transfer patterning of large-area graphene nanomesh via holographic lithography and plasma etching. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, .	1.2	28
15	Interfacial Load Transfer in Polymer/Carbon Nanotube Nanocomposites with a Nanohybrid Shish Kebab Modification. ACS Applied Materials & Interfaces, 2014, 6, 14886-14893.	8.0	48
16	Viscoelastic behavior of poly(ether imide) incorporated with multiwalled carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1504-1514.	2.1	16
17	Nanocomposites of polyamideâ€11 and carbon nanostructures: Development of microstructure and ultimate properties following solution processing. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1311-1321.	2.1	46
18	Nanocomposites of poly(ether ether ketone) with carbon nanofibers: Effects of dispersion and thermo-oxidative degradation on development of linear viscoelasticity and crystallinity. Polymer, 2010, 51, 5236-5244.	3.8	19

#	Article	IF	Citations
19	Polymer Nanocomposite Processing, Characterization, and Applications. Journal of Nanomaterials, 2010, 2010, 1-2.	2.7	3
20	Polymer crystallization and precipitationâ€induced wrapping of carbon nanofibers with PBT. Journal of Applied Polymer Science, 2009, 114, 1312-1319.	2.6	20
21	Deformation-Induced Crystallization and Associated Morphology Development of Carbon Nanotube-PVDF Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 3330-3340.	0.9	52
22	A vibration energy harvesting device with bidirectional resonance frequency tunability. Smart Materials and Structures, 2008, 17, 015035.	3.5	545
23	Effects of Multiwalled Carbon Nanotubes on the Shear-Induced Crystallization Behavior of Poly(butylene terephthalate). Macromolecules, 2008, 41, 8103-8113.	4.8	53
24	Membranes of Polyvinylidene Fluoride and PVDF Nanocomposites with Carbon Nanotubes via Immersion Precipitation. Journal of Nanomaterials, 2008, 2008, 1-8.	2.7	84
25	EH009. , 2008, , .		0
26	Apparent Enhanced Solubility of Single-Wall Carbon Nanotubes in a Deuterated Acid Mixture. Research Letters in Nanotechnology, 2008, 2008, 1-4.	0.3	7
27	Effect of Functionalization on the Crystallization Behavior of MWNT-PBT Nanocomposites. Materials Research Society Symposia Proceedings, 2007, 1056, 1.	0.1	0
28	Feasibility Of A Fully Online Undergraduate Mechanical Engineering Degree For Non Traditional Learners. , 0, , .		4
29	Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum: Student Perceptions of the Instructional Practices. , 0, , .		0
30	Board 140: FOUNDATIONS â€“ Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum. , 0, , .		0
31	Guided Cae Software Learning Modules For The Undergraduate Mechanical Engineering Curriculum. , 0, , .		0
32	Board 134: FOUNDATIONS â€“ Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum. , 0, , .		0
33	A Tool To Measure Adaptive Expertise In Biomedical Engineering Students. , 0, , .		12
34	Work in Progress: Virtual Research Experiences for Undergraduates in Nanotechnology (VREUN). , 0, , .		0