

# Frank T Fisher

## List of Publications by Year in descending order

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34  
papers

1,048  
citations

687363

13  
h-index

610901

24  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	A vibration energy harvesting device with bidirectional resonance frequency tunability. <i>Smart Materials and Structures</i> , 2008, 17, 015035.	3.5	545
2	Membranes of Polyvinylidene Fluoride and PVDF Nanocomposites with Carbon Nanotubes via Immersion Precipitation. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-8.	2.7	84
3	Effects of Multiwalled Carbon Nanotubes on the Shear-Induced Crystallization Behavior of Poly(butylene terephthalate). <i>Macromolecules</i> , 2008, 41, 8103-8113.	4.8	53
4	Deformation-Induced Crystallization and Associated Morphology Development of Carbon Nanotube-PVDF Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3330-3340.	0.9	52
5	Interfacial Load Transfer in Polymer/Carbon Nanotube Nanocomposites with a Nanohybrid Shish Kebab Modification. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14886-14893.	8.0	48
6	Nanocomposites of polyamide-11 and carbon nanostructures: Development of microstructure and ultimate properties following solution processing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1311-1321.	2.1	46
7	Transfer patterning of large-area graphene nanomesh via holographic lithography and plasma etching. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, .	1.2	28
8	Polymer crystallization and precipitation-induced wrapping of carbon nanofibers with PBT. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1312-1319.	2.6	20
9	Nanocomposites of poly(ether ether ketone) with carbon nanofibers: Effects of dispersion and thermo-oxidative degradation on development of linear viscoelasticity and crystallinity. <i>Polymer</i> , 2010, 51, 5236-5244.	3.8	19
10	Viscoelastic behavior of poly(ether imide) incorporated with multiwalled carbon nanotubes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1504-1514.	2.1	16
11	Annular Coated Inclusion model and applications for polymer nanocomposites – Part II: Cylindrical inclusions. <i>Mechanics of Materials</i> , 2016, 101, 50-60.	3.2	16
12	Resonant frequency of mass-loaded membranes for vibration energy harvesting applications. <i>AIMS Energy</i> , 2015, 3, 344-359.	1.9	15
13	Application of mechanical stretch to tune the resonance frequency of hyperelastic membrane-based energy harvesters. <i>Sensors and Actuators A: Physical</i> , 2016, 252, 165-173.	4.1	13
14	A controllable way to measure the interfacial strength between carbon nanotube and polymer using a nanobridge structure. <i>Carbon</i> , 2017, 116, 510-517.	10.3	13
15	A Tool To Measure Adaptive Expertise In Biomedical Engineering Students. , 0, , .		12
16	Distributive mixing of carbon nanotubes in poly(caprolactone) via solution and melt processing: Viscoelasticity and crystallization behavior versus mixing indices. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2254-2268.	2.1	11
17	Resonant frequency tuning of electroactive polymer membranes via an applied bias voltage. <i>Smart Materials and Structures</i> , 2018, 27, 114005.	3.5	11
18	Direct transfer of corrugated graphene sheets as stretchable electrodes. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	1.2	9

#	ARTICLE	IF	CITATIONS
19	Nanoconfinement and Salt Synergistically Suppress Crystallization in Polyethylene Oxide. <i>Macromolecules</i> , 2020, 53, 1494-1501.	4.8	8
20	Apparent Enhanced Solubility of Single-Wall Carbon Nanotubes in a Deuterated Acid Mixture. <i>Research Letters in Nanotechnology</i> , 2008, 2008, 1-4.	0.3	7
21	Reverse Kebab Structure Formed inside Carbon Nanofibers via Nanochannel Flow. <i>Langmuir</i> , 2015, 31, 10047-10055.	3.5	5
22	Effect of multistage sonication on dispersive mixing of polymer nanocomposites characterized via shear-induced crystallization behavior. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	5
23	Feasibility Of A Fully Online Undergraduate Mechanical Engineering Degree For Non Traditional Learners. , 0, , .		4
24	Polymer Nanocomposite Processing, Characterization, and Applications. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-2.	2.7	3
25	Nanoscale viscosity of confined polyethylene oxide. <i>Physical Review E</i> , 2019, 100, 062503.	2.1	3
26	Impact of ultrasonication on carbon nanotube demixing and damage in polymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49370.	2.6	2
27	Effect of Functionalization on the Crystallization Behavior of MWNT-PBT Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	0
28	EH009. , 2008, , .		0
29	Mixing, Coating, and Shaping. , 2017, , 169-191.		0
30	Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum: Student Perceptions of the Instructional Practices. , 0, , .		0
31	Board 140: FOUNDATIONS â€œ Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum. , 0, , .		0
32	Guided Cae Software Learning Modules For The Undergraduate Mechanical Engineering Curriculum. , 0, , .		0
33	Board 134: FOUNDATIONS â€œ Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum. , 0, , .		0
34	Work in Progress: Virtual Research Experiences for Undergraduates in Nanotechnology (VREUN). , 0, , .		0