

Hani E Naguib

List of Publications by Year in descending order

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205
papers

6,115
citations

76326

40
h-index

106344

65
g-index

210
all docs

210
docs citations

210
times ranked

6362
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, structures and properties of hydrophobic Alkyltrimethoxysilane-Polyvinyltrimethoxysilane hybrid aerogels with different alkyl chain lengths. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 720-734.	9.4	11
2	Fiber-matrix adhesion between high-density polyethylene and carbon fiber. <i>Polymer Testing</i> , 2022, 105, 107423.	4.8	8
3	A review on high thermally conductive polymeric composites. <i>Polymer Composites</i> , 2022, 43, 692-711.	4.6	32
4	A binder jet 3D printed MXene composite for strain sensing and energy storage application. <i>Nanoscale Advances</i> , 2022, 4, 916-925.	4.6	8
5	3D-Knit Dry Electrodes using Conductive Elastomeric Fibers for Long-Term Continuous Electrophysiological Monitoring. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	15
6	Novel, flexible, and transparent thin film polyimide aerogels with enhanced thermal insulation and high service temperature. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5088-5108.	5.5	35
7	Triangular-based origami: Modelling and testing the parameterized design for geometrical and mechanical analysis. <i>Thin-Walled Structures</i> , 2022, 173, 108993.	5.3	8
8	Recent advances in tailoring and improving the properties of polyimide aerogels and their application. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102646.	14.7	39
9	Development of piezoresistive PDMS/MWCNT foam nanocomposite sensor with ultrahigh flexibility and compressibility. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 1751-1761.	2.5	4
10	3D printed geometrically tessellated sheets with origami-inspired patterns. <i>Journal of Cellular Plastics</i> , 2022, 58, 377-395.	2.4	4
11	Polypyrrole Nanofoam/Carbon Nanotube Multilayered Electrode for Flexible Electrochemical Capacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 4059-4069.	5.1	10
12	A review of 4D printing: Materials, structures, and designs towards the printing of biomedical wearable devices. <i>Bioprinting</i> , 2022, 27, e00217.	5.8	19
13	Direct-Writing of Multi-Functional Photo-Reduced Graphene Oxide Fabric (rGO _f) at the Liquid-Air Interface with Tunable Porosity. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	3
14	Novel, Flexible, and Ultrathin Pressure Feedback Sensor for Miniaturized Intraventricular Neurosurgery Robotic Tools. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4415-4425.	7.9	26
15	Flexible, Air Dryable, and Fiber Modified Aerogel-Based Wet Electrode for Electrophysiological Monitoring. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1820-1827.	4.2	10
16	Instantaneous peak 2.1 W-level hybrid energy harvesting from human motions for self-charging battery-powered electronics. <i>Nano Energy</i> , 2021, 81, 105629.	16.0	41
17	A planar microwave resonator with odd resonance for calibration in permanent moisture sensing applications. <i>Applied Physics Letters</i> , 2021, 118, 144104.	3.3	4
18	Modeling and characterization of viscoelastic origami structures using a temperature variation-based model. <i>Computers and Structures</i> , 2021, 246, 106473.	4.4	2

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19	Development of PVDF nanocomposite with single-walled carbon nanotubes (SWCNT) and boron nitride nanotubes (BNNT) for soft morphing actuator. <i>Smart Materials and Structures</i> , 2021, 30, 055014.	3.5	3
20	Soft flexible conductive CNT nanocomposites for ECG monitoring. <i>Smart Materials and Structures</i> , 2021, 30, 065003.	3.5	8
21	Natural fillers as reinforcement for closed-molded polyurethane foam plaques: Mechanical, morphological, and thermal properties. <i>Materials Today Communications</i> , 2021, 27, 102187.	1.9	19
22	Preparation of a novel double crosslinked chitin aerogel via etherification with high strength. <i>Carbohydrate Polymers</i> , 2021, 265, 118014.	10.2	15
23	Non-recovery moisture sensor for breach integrity using the degenerate mode of planar microwave ring resonator. <i>Sensors and Actuators A: Physical</i> , 2021, 328, 112775.	4.1	1
24	Role of interfacial adhesion and fiber length on the mechanical performance fiber reinforced thermoplastic elastomers. <i>Composites Science and Technology</i> , 2021, 213, 108928.	7.8	7
25	Theoretical and experimental investigation of MWCNT dispersion effect on the elastic modulus of flexible PDMS/MWCNT nanocomposites. <i>Nanotechnology Reviews</i> , 2021, 11, 55-64.	5.8	28
26	Scalable sensing of hydrocarbon pollutants using soluble chemiresistive polymer composites. <i>Materials Chemistry and Physics</i> , 2020, 239, 122119.	4.0	6
27	Advances in precursor system for silica-based aerogel production toward improved mechanical properties, customized morphology, and multifunctionality: A review. <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102101.	14.7	99
28	Insights into in-situ sol-gel conversion in graphene modified polymer-based silica gels for multifunctional aerogels. <i>Chemical Engineering Journal</i> , 2020, 392, 123813.	12.7	27
29	Novel origami-inspired metamaterials: Design, mechanical testing and finite element modelling. <i>Materials and Design</i> , 2020, 186, 108242.	7.0	46
30	Hierarchically Structured Nitrogen-Doped Multilayer Reduced Graphene Oxide for Flexible Intercalated Supercapacitor Electrodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 987-997.	5.1	27
31	Introducing revolute joints into piezoelectric energy harvesters. <i>Energy</i> , 2020, 192, 116604.	8.8	10
32	Ionic liquids facilitated dispersion of chitin nanowhiskers for reinforced epoxy composites. <i>Carbohydrate Polymers</i> , 2020, 247, 116746.	10.2	15
33	A Comparative Study on the Mechanical Properties of Different Natural Fiber Reinforced Free-Rise Polyurethane Foam Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 21745-21755.	3.7	19
34	Template-Assisted Self-Assembly of Conductive Polymer Electrodes for Ionic Electroactive Polymers. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 837.	4.1	6
35	Microcellular structure assisted phase transformation of polyvinylidene fluoride/titanium dioxide nanocomposites. <i>Journal of Cellular Plastics</i> , 2020, , 0021955X2094566.	2.4	1
36	Binder Jetting Fabrication of Highly Flexible and Electrically Conductive Graphene/PVOH Composites. <i>Additive Manufacturing</i> , 2020, 36, 101565.	3.0	15

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37	Novel Electrode Designs for Neurostimulation in Regenerative Medicine: Activation of Stem Cells. <i>Bioelectricity</i> , 2020, 2, 348-361.	1.1	11
38	Green and Sustainable Layered Chitinâ€“Vitrimer Composite with Enhanced Modulus, Reprocessability, and Smart Actuator Function. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15168-15178.	6.7	15
39	Zinc oxide/carbon nanotube nanocomposite for high-performance flexible supercapacitor with sensing ability. <i>Electrochimica Acta</i> , 2020, 350, 136353.	5.2	27
40	Robust and Multifunctional Conductive Yarns for Biomedical Textile Computing. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1554-1566.	4.3	33
41	PPDA-PMDA polyimide aerogels with tailored nanostructure assembly for air filtering applications. <i>Separation and Purification Technology</i> , 2020, 250, 117279.	7.9	26
42	Polyimide aerogels with novel bimodal micro and nano porous structure assembly for airborne nano filtering applications. <i>RSC Advances</i> , 2020, 10, 22909-22920.	3.6	28
43	Fiber tortuosity and its effects on shock transfer characteristics of Ultra High Molecular Weight Polyethylene (UHMWPE) fibers embedded in a polyurethane composite structure. <i>Composites Science and Technology</i> , 2020, 192, 108112.	7.8	2
44	Theoretical modeling and experimental verification of percolation threshold with MWCNTsâ€™ rotation and translation around a growing bubble in conductive polymer composite foams. <i>Composites Science and Technology</i> , 2020, 199, 108345.	7.8	38
45	Double Dianhydride Backbone Polyimide Aerogels with Enhanced Thermal Insulation for Highâ€“Temperature Applications. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900777.	3.6	35
46	Highly stable bifunctional catalyst for Zn-Air batteries: The effect of a nitrated carbon support on Co ₃ O ₄ activity. <i>Journal of Power Sources</i> , 2020, 453, 227834.	7.8	10
47	Novel 3D printing technology for CT phantom coronary arteries with high geometrical accuracy for biomedical imaging applications. <i>Bioprinting</i> , 2020, 18, e00074.	5.8	18
48	Flexible, Reconfigurable, and Self-Healing TPU/Vitrimer Polymer Blend with Copolymerization Triggered by Bond Exchange Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8740-8750.	8.0	47
49	In Situ Interface Design in Graphene-Embedded Polymeric Silica Aerogel with Organic/Inorganic Hybridization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26635-26648.	8.0	31
50	Electric Field Application<i>In Vivo</i>Regulates Neural Precursor Cell Behavior in the Adult Mammalian Forebrain. <i>ENeuro</i> , 2020, 7, ENEURO.0273-20.2020.	1.9	13
51	Shape programming of polymeric based electrothermal actuator (ETA) via artificially induced stress relaxation. <i>Scientific Reports</i> , 2019, 9, 11445.	3.3	25
52	A 3D Printed Device for Low Cost Neural Stimulation in Mice. <i>Frontiers in Neuroscience</i> , 2019, 13, 784.	2.8	11
53	A robust ink deposition system for binder jetting and material jetting. <i>Additive Manufacturing</i> , 2019, 29, 100820.	3.0	18
54	Freestanding Laser-Assisted Reduced Graphene Oxide Microribbon Textile Electrode Fabricated on a Liquid Surface for Supercapacitors and Breath Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27183-27191.	8.0	22

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55	Hybrid Electroactive Shape Memory Polymer Composites with Room Temperature Deformability. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900196.	3.6	33
56	Toward a 0.33â€W piezoelectric and electromagnetic hybrid energy harvester: Design, experimental studies and self-powered applications. <i>Applied Energy</i> , 2019, 255, 113805.	10.1	45
57	Polyurethane aerogel-based triboelectric nanogenerator for high performance energy harvesting and biomechanical sensing. <i>Nano Energy</i> , 2019, 65, 104019.	16.0	52
58	A Platform for Generation of Chamber-Specific Cardiac Tissues and Disease Modeling. <i>Cell</i> , 2019, 176, 913-927.e18.	28.9	398
59	Solvent-assisted electrospun fibers with ultrahigh stretchability and strain sensing capabilities. <i>Smart Materials and Structures</i> , 2019, 28, 055018.	3.5	7
60	Development of a phantom network for optimization of coronary artery disease imaging using computed tomography. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045019.	1.2	9
61	Structure to properties relations of BPDA and PMDA backbone hybrid diamine polyimide aerogels. <i>Polymer</i> , 2019, 176, 213-226.	3.8	54
62	Effect of revolute joint mechanism on the performance of cantilever piezoelectric energy harvester. <i>Smart Materials and Structures</i> , 2019, 28, 085043.	3.5	7
63	Chitin nano-whiskers (CNWs) as a bio-based bio-degradable reinforcement for epoxy: evaluation of the impact of CNWs on the morphological, fracture, mechanical, dynamic mechanical, and thermal characteristics of DGEBA epoxy resin. <i>RSC Advances</i> , 2019, 9, 11063-11076.	3.6	14
64	1D/2D CNF/GNP Hybrid Nanofillers: Evaluation of the Effect of Surfactant on the Morphological, Mechanical, Fracture, and Thermal Characteristics of Their Nanocomposites with Epoxy Resin. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8131-8139.	3.7	15
65	Influence of glass fibers and rubber particles on the viscoelastic behavior of polyamide 6,6 blended composites. <i>Polymer Composites</i> , 2019, 40, 3960-3970.	4.6	5
66	The effect of graphene-nanoplatelets on gelation and structural integrity of a polyvinyltrimethoxysilane-based aerogel. <i>RSC Advances</i> , 2019, 9, 11503-11520.	3.6	39
67	Determining thermo-mechanical properties of polydimethylsiloxanes from their strain-induced spectral fingerprints. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 359-367.	2.1	2
68	Bio-inspired polyethylene-based composite reinforced by thermoplastic polyurethane (TPU) fiber for aerogel production. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
69	A High Performance Triboelectric Nanogenerator Using Porous Polyimide Aerogel Film. <i>Scientific Reports</i> , 2019, 9, 1370.	3.3	72
70	4D-printed hybrids with localized shape memory behaviour: Implementation in a functionally graded structure. <i>Scientific Reports</i> , 2019, 9, 18754.	3.3	37
71	Fabrication and characterization of polymeric cellular foams for low-density computed tomography phantom applications. <i>Journal of Cellular Plastics</i> , 2019, 55, 73-87.	2.4	5
72	3D printing of Ron-Resch-like origami cores for compression and impact load damping. <i>Smart Materials and Structures</i> , 2019, 28, 015027.	3.5	20

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73	High Performance Triboelectric Nanogenerator by Hot Embossing on Self-Assembled Micro-Particles. <i>Advanced Engineering Materials</i> , 2019, 21, 1700957.	3.5	28
74	Improving the electrical conductivity of multi-phase polymer composites via plasticizer assisted nanoparticle dispersion. , 2019, , .		0
75	A heaving point absorber-based triboelectric-electromagnetic wave energy harvester: An efficient approach toward blue energy. <i>International Journal of Energy Research</i> , 2018, 42, 2431-2447.	4.5	41
76	Development and characterization of a synthetic PVC/DEHP myocardial tissue analogue material for CT imaging applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 582-598.	3.5	4
77	Reinforced resorcinol formaldehyde aerogel with Co-assembled polyacrylonitrile nanofibers and graphene oxide nanosheets. <i>Materials and Design</i> , 2018, 151, 154-163.	7.0	24
78	Towards development of nanofibrous large strain flexible strain sensors with programmable shape memory properties. <i>Smart Materials and Structures</i> , 2018, 27, 055002.	3.5	23
79	Design and Studies on a Low-Frequency Truss-Based Compressive-Mode Piezoelectric Energy Harvester. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 2849-2858.	5.8	24
80	Multi-functional flexible carbon fiber composites with controlled fiber alignment using additive manufacturing. <i>Additive Manufacturing</i> , 2018, 22, 360-367.	3.0	20
81	Design, simulation, and experimental characterization of a heaving triboelectric-electromagnetic wave energy harvester. <i>Nano Energy</i> , 2018, 50, 281-290.	16.0	30
82	Nanostructure to thermal property relationship of resorcinol formaldehyde aerogels using the fractal technique. <i>Nanoscale</i> , 2018, 10, 10564-10575.	5.6	34
83	Self-Assembled Nanorod Structures on Nanofibers for Textile Electrochemical Capacitor Electrodes with Intrinsic Tactile Sensing Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19037-19046.	8.0	22
84	3D printing complex lattice structures for permeable liver phantom fabrication. <i>Bioprinting</i> , 2018, 10, e00025.	5.8	13
85	An interlocked flexible piezoresistive sensor with 3D micropyramidal structures for electronic skin applications. <i>Soft Matter</i> , 2018, 14, 6912-6920.	2.7	29
86	Ultralight Microcellular Polymer-Graphene Nanoplatelet Foams with Enhanced Dielectric Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19987-19998.	8.0	79
87	A hybrid piezoelectric-triboelectric generator for low-frequency and broad-bandwidth energy harvesting. <i>Energy Conversion and Management</i> , 2018, 174, 188-197.	9.2	104
88	Development of synthetic simulators for endoscope-assisted repair of metopic and sagittal craniosynostosis. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 128-136.	1.3	21
89	Standardized static and dynamic evaluation of myocardial tissue properties. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 025013.	3.3	41
90	Dielectric Properties of Sustainable Nanocomposites Based on Zein Protein and Lignin for Biodegradable Insulators. <i>Advanced Functional Materials</i> , 2017, 27, 1605142.	14.9	41

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91	Evolution of the Coefficient of Friction with Surface Wear for Advanced Surface Textured Composites. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600983.	3.7	24
92	Bio-nanocomposites: Dielectric Properties of Sustainable Nanocomposites Based on Zein Protein and Lignin for Biodegradable Insulators (<i>Adv. Funct. Mater.</i> 8/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0
93	Room temperature deformable shape memory composite with fine-tuned crystallization induced via nanoclay particles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1197-1206.	2.1	22
94	Novel polyurethane elastomeric composites reinforced with alumina, aramid, and poly(p-phenylene-2,6-benzobisoxazole) short fibers, development and characterization of the thermal and dynamic mechanical properties. <i>Composites Part B: Engineering</i> , 2017, 122, 192-201.	12.0	31
95	Development and modeling of multi-phase polymeric origami inspired architecture by using pre-molded geometrical features. <i>Smart Materials and Structures</i> , 2017, 26, 025012.	3.5	9
96	Double-layer membrane cathode with improved oxygen diffusivity in zinc-air batteries. <i>Energy Storage Materials</i> , 2017, 8, 1-9.	18.0	15
97	Toward the low actuation temperature of flexible shape memory polymer composites with room temperature deformability <i>via</i> induced plasticizing effect. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8845-8853.	5.8	34
98	Modeling and performance analysis of duck-shaped triboelectric and electromagnetic generators for water wave energy harvesting. <i>International Journal of Energy Research</i> , 2017, 41, 2392-2404.	4.5	45
99	Development of high-porosity resorcinol formaldehyde aerogels with enhanced mechanical properties through improved particle necking under CO ₂ supercritical conditions. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 65-74.	9.4	49
100	Fabrication and characterization of polymeric origami structure for compression properties. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
101	Carbon nano fibers reinforced composites origami inspired mechanical metamaterials with passive and active properties. <i>Smart Materials and Structures</i> , 2017, 26, 105039.	3.5	13
102	High thermally conductive PLA based composites with tailored hybrid network of hexagonal boron nitride and graphene nanoplatelets. <i>Polymer Composites</i> , 2016, 37, 2196-2205.	4.6	54
103	Design of thermal hybrid composites based on liquid crystal polymer and hexagonal boron nitride fiber network in polylactide matrix. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 457-464.	2.1	5
104	Novel Pliable Electrodes for Flexible Electrochemical Energy Storage Devices: Recent Progress and Challenges. <i>Advanced Energy Materials</i> , 2016, 6, 1600490.	19.5	136
105	Kinetostatic design of asymmetric notch joints for surgical robots. , 2016, , .		21
106	Flexible Electronics: Novel Pliable Electrodes for Flexible Electrochemical Energy Storage Devices: Recent Progress and Challenges (<i>Adv. Energy Mater.</i> 17/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	3
107	Multifunctional Textured Surfaces with Enhanced Friction and Hydrophobic Behaviors Produced by Fiber Debonding and Pullout. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29818-29826.	8.0	19
108	Effects of chitin nanowhiskers on the thermal, barrier, mechanical, and rheological properties of polypropylene nanocomposites. <i>RSC Advances</i> , 2016, 6, 72086-72095.	3.6	19

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109	Highly flexible binder-free core-shell nanofibrous electrode for lightweight electrochemical energy storage using recycled water bottles. <i>Nanotechnology</i> , 2016, 27, 325402.	2.6	10
110	Relation of impact strength to the microstructure of functionally graded porous structures of acrylonitrile butadiene styrene (ABS) foamed by thermally activated microspheres. <i>Polymer</i> , 2016, 98, 270-281.	3.8	25
111	Towards the development of uniform closed cell nanocomposite foams using natural rubber containing pristine and organo-modified nanoclays. <i>RSC Advances</i> , 2016, 6, 53981-53990.	3.6	22
112	A constriction resistance model of conjugated polymer based piezoresistive sensors for electronic skin applications. <i>Soft Matter</i> , 2016, 12, 4180-4189.	2.7	22
113	Fabrication and Characterization of Closed-Cell Rubber Foams Based on Natural Rubber/Carbon Black by One-Step Foam Processing. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2407-2416.	3.7	60
114	Study on the morphological, dynamic mechanical and thermal properties of PLA carbon nanofibre composites. <i>Composites Part B: Engineering</i> , 2016, 91, 631-639.	12.0	57
115	Fabrication and control of CT number through polymeric composites based on coronary plaque CT phantom applications. <i>Journal of Medical Imaging</i> , 2016, 3, 016001.	1.5	5
116	Effect of filler arrangement and networking of hexagonal boron nitride on the conductivity of new thermal management polymeric composites. <i>Composites Part B: Engineering</i> , 2016, 85, 24-30.	12.0	66
117	Analysis and homogenization of functionally graded viscoelastic porous structures with a higher order plate theory and statistical based model of cellular distribution. <i>Applied Mathematical Modelling</i> , 2016, 40, 2190-2205.	4.2	20
118	Constitutive modeling and experimental validation of the thermo-mechanical response of a shape memory composite containing shape memory alloy fibers and shape memory polymer matrix. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 625-641.	2.5	24
119	Development of multifunctional shape memory polymer foams. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
120	Fabrication and characterization of silica aerogel as synthetic tissues for medical imaging phantoms. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	3
121	Electroactive polymer actuators for active optical components. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 2556-2564.	2.5	8
122	Fabrication and microstructural characterization of functionally graded porous acrylonitrile butadiene styrene and the effect of cellular morphology on creep behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 795-803.	2.1	13
123	Flexible multiwalled carbon nanotubes/conductive polymer composite electrode for supercapacitor applications. <i>Smart Materials and Structures</i> , 2015, 24, 115008.	3.5	23
124	A semi-empirical model relating micro structure to acoustic properties of bimodal porous material. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	11
125	Characterization of the Structure, Acoustic Property, Thermal Conductivity, and Mechanical Property of Highly Expanded Open-Cell Polycarbonate Foams. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 48-56.	3.6	63
126	Back Cover: <i>Macromol. Mater. Eng.</i> 1/2015. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 128-128.	3.6	0

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127	Biocompatible shape memory polymer actuators with high force capabilities. <i>European Polymer Journal</i> , 2015, 67, 186-198.	5.4	94
128	Study on the thermoelectric properties of PVDF/MWCNT and PVDF/GNP composite foam. <i>Smart Materials and Structures</i> , 2015, 24, 085034.	3.5	36
129	Comparison of the thermal, dynamic mechanical and morphological properties of PLA-Lignin & PLA-Tannin particulate green composites. <i>Composites Part B: Engineering</i> , 2015, 82, 92-99.	12.0	107
130	Thermal Composites of Biobased Polyamide with Boron Nitride Micro Networks. <i>Journal of Polymers and the Environment</i> , 2015, 23, 566-579.	5.0	15
131	Design and characterization of biocompatible shape memory polymer (SMP) blend foams with a dynamic porous structure. <i>Polymer</i> , 2015, 56, 82-92.	3.8	67
132	Design and development of novel bio-based functionally graded foams for enhanced acoustic capabilities. <i>Journal of Materials Science</i> , 2015, 50, 1248-1256.	3.7	74
133	A numerical scheme for investigating the effect of bimodal structure on acoustic behavior of polylactide foams. <i>Applied Acoustics</i> , 2015, 88, 75-83.	3.3	27
134	Development of High Thermally Conductive and Electrically Insulative Polylactic Acid (PLA) and Hexagonal Boron Nitride (hBN) Composites for Electronic Packaging Applications. <i>Journal of Biobased Materials and Bioenergy</i> , 2015, 9, 145-154.	0.3	11
135	Development of polylactide open-cell foams with bimodal structure for high acoustic absorption. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	43
136	Electrochemomechanical constrained multiobjective optimization of PPy/MWCNT actuators. <i>Smart Materials and Structures</i> , 2014, 23, 105022.	3.5	2
137	Mechanical stability analysis of carrageenan-based polymer gel for magnetic resonance imaging liver phantom with lesion particles. <i>Journal of Medical Imaging</i> , 2014, 1, 035502.	1.5	16
138	Effect of biopolymer blends on physical and Acoustical properties of biocomposite foams. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1002-1013.	2.1	17
139	Fabrication and Characterization of PLA/PHBV-Chitin Nanocomposites and Their Foams. <i>Journal of Polymers and the Environment</i> , 2014, 22, 119-130.	5.0	40
140	Fabrication and characterization of ceramic-filled thermoplastics composites with enhanced multifunctional properties. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 541-557.	4.2	10
141	Adaptive and active materials: selected papers from the ASME 2013 Conference on Smart Materials, Adaptive Structures and Intelligent Systems (SMASIS 13) (Snowbird, UT, USA, 16-18 September 2013). <i>Smart Materials and Structures</i> , 2014, 23, 100201.	3.5	1
142	On the multiobjective optimization of conjugated polymer based trilayer actuators. <i>Synthetic Metals</i> , 2014, 197, 34-47.	3.9	2
143	Processing and properties of melt spun polylactide-multiwall carbon nanotube fiber composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 477-484.	2.1	8
144	Viscoelastic properties of poly(ϵ -caprolactone) hydroxyapatite micro- and nano-composites. <i>Polymers for Advanced Technologies</i> , 2013, 24, 144-150.	3.2	14

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145	Synergistic effects of hybrid fillers on the development of thermally conductive polyphenylene sulfide composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3293-3301.	2.6	45
146	Study on Liquid Crystal Polymer-Hexagonal Boron Nitride Composites for Hybrid Heat Sinks. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 8332-8339.	3.7	13
147	Analytical modeling and characterization of heat transfer in thermally conductive polymer composites filled with spherical particulates. <i>Composites Part B: Engineering</i> , 2013, 45, 43-49.	12.0	49
148	Characterizing the viscoelastic behaviour of poly(lactide-co-glycolide acid) hydroxyapatite foams. <i>Journal of Cellular Plastics</i> , 2013, 49, 497-505.	2.4	5
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