Julia A King

List of Publications by Year
in descending order

76 papers	2,898 citations	159358 30 h-index	182168 51 g-index
77 all docs	77 docs citations	77 times ranked	2724 citing authors

#	Article	IF	Citations
1	Mechanical properties of graphene nanoplatelet/epoxy composites. Journal of Applied Polymer Science, 2013, 128, 4217-4223.	1.3	241
2	Mechanical properties of graphene nanoplatelet/carbon fiber/epoxy hybrid composites: Multiscale modeling and experiments. Carbon, 2015, 95, 100-112.	5.4	190
3	Evaluation of electrical conductivity models for conductive polymer composites. Journal of Applied Polymer Science, 2002, 83, 1341-1356.	1.3	170
4	Thermoelectric behavior of organic thin film nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 119-123.	2.4	111
5	Electrically and thermally conductive nylon 6,6. Polymer Composites, 1999, 20, 643-654.	2.3	101
6	Thermally conductive nylon 6,6 and polycarbonate based resins. I. Synergistic effects of carbon fillers. Journal of Applied Polymer Science, 2003, 88, 112-122.	1.3	96
7	Development of an additive equation for predicting the electrical conductivity of carbon-filled composites. Journal of Applied Polymer Science, 2003, 88, 2280-2299.	1.3	92
8	Mechanical properties of graphene nanoplatelet/epoxy composites. Journal of Composite Materials, 2015, 49, 659-668.	1.2	86
9	Synergistic effect of carbon fillers in electrically conductive nylon 6,6 and polycarbonate based resins. Polymer Composites, 2002, 23, 911-924.	2.3	84
10	Factorial design approach applied to electrically and thermally conductive nylon 6,6. Polymer Composites, 2001, 22, 142-154.	2.3	72
11	Effects of impact modifiers on the properties of rigid PVC/wood-fiber composites. Journal of Vinyl and Additive Technology, 2000, 6, 153-157.	1.8	66
12	Comparing the mechanical response of diâ€; triâ€; and tetraâ€functional resin epoxies with reactive molecular dynamics. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 255-264.	2.4	61
13	Synergistic effects of carbon fillers on shielding effectiveness in conductive nylon 6,6- and polycarbonate-based resins. Advances in Polymer Technology, 2003, 22, 96-111.	0.8	60
14	Thermally conductive carbon filled nylon 6,6. Polymer Composites, 2004, 25, 186-193.	2.3	58
15	Characterization of exfoliated graphite nanoplatelets/polycarbonate composites: electrical and thermal conductivity, and tensile, flexural, and rheological properties. Journal of Composite Materials, 2012, 46, 1029-1039.	1.2	57
16	Synergistic effects of carbon fillers in electrically and thermally conductive liquid crystal polymer based resins. Polymer Composites, 2008, 29, 421-428.	2.3	53
17	Electrical conductivity and rheology of carbon-filled liquid crystal polymer composites. Journal of Applied Polymer Science, 2006, 101, 2680-2688.	1.3	51
18	Thermal properties of 3-D printed polylactic acid-metal composites. Progress in Additive Manufacturing, 2017, 2, 57-71.	2.5	51

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19	Fracture properties of nanographene reinforced EPON 862 thermoset polymer system. Composites Science and Technology, 2015, 114, 87-93.	3.8	48
20	Measuring thermal conductivities of anisotropic synthetic graphiteâ€“liquid crystal polymer composites. Polymer Composites, 2006, 27, 388-394.	2.3	45
21	Thermally conductive nylon 6,6 and polycarbonate based resins. II. Modeling. Journal of Applied Polymer Science, 2003, 88, 123-130.	1.3	44
22	Electrical conductivity of carbon filled nylon 6,6. Advances in Polymer Technology, 2004, 23, 135-146.	0.8	41
23	Thermal conductivity of graphene nanoplatelet/cycloaliphatic epoxy composites: Multiscale modeling. Carbon, 2018, 140, 653-663.	5.4	41
24	Shielding effectiveness density theory for carbon fiber/nylon 6,6 composites. Polymer Composites, 2005, 26, 671-678.	2.3	40
25	Multiscale modeling of PEEK using reactive molecular dynamics modeling and micromechanics. Polymer, 2019, 163, 96-105.	1.8	40
26	Effects of carbon fillers on the thermal conductivity of highly filled liquidâ€crystal polymer based resins. Journal of Applied Polymer Science, 2008, 109, 2145-2155.	1.3	39
27	Thermal Conductivity of Carbon-filled Polypropylene-based Resins. Journal of Composite Materials, 2010, 44, 839-855.	1.2	39
28	Electrical conductivity modeling of carbon-filled liquid-crystalline polymer composites. Journal of Applied Polymer Science, 2006, 102, 3293-3300.	1.3	34
29	Electrical conductivity of carbonâ€filled polypropyleneâ€based resins. Journal of Applied Polymer Science, 2009, 112, 425-433.	1.3	34
30	Effects of carbon fillers in thermally conductive polypropylene based resins. Polymer Composites, 2010, 31, 497-506.	2.3	33
31	Determination and Modeling of Mechanical Properties for Graphene Nanoplatelet/Epoxy Composites. Polymer Composites, 2018, 39, 1845-1851.	2.3	32
32	Thermal and electrical conductivity of carbon-filled liquid crystal polymer composites. Journal of Applied Polymer Science, 2006, 99, 1552-1558.	1.3	31
33	Thermal conductivity models for carbon/liquid crystal polymer composites. Journal of Applied Polymer Science, 2007, 105, 3309-3316.	1.3	31
34	Electrical and thermal conductivity and tensile and flexural properties of carbon nanotube/polycarbonate resins. Journal of Applied Polymer Science, 2010, 118, 2512-2520.	1.3	29
35	Shielding effectiveness of carbon-filled nylon 6,6. Polymer Composites, 2004, 25, 407-416.	2.3	28
36	Tensile and impact properties of carbon filled nylon-6,6 based resins. Journal of Applied Polymer Science, 2004, 91, 2881-2893.	1.3	27

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37	Measuring and predicting in-plane thermal conductivity of carbon-filled nylon 6,6 polymer composites. Polymer Composites, 2006, 27, 1-7.	2.3	27
38	Shielding-effectiveness modeling of carbon-fiber/nylon-6,6 composites. Journal of Applied Polymer Science, 2005, 96, 62-69.	1.3	26
39	Nielsen thermal conductivity model for single filler carbon/polypropylene composites. Journal of Applied Polymer Science, 2009, 114, 3261-3267.	1.3	25
40	Effects of carbon fillers on the conductivity and tensile properties of polyetheretherketone composites. Polymer Composites, 2018, 39, E807.	2.3	24
41	Synergistic effects of carbon fillers on tensile and impact properties in nylon 6,6 and polycarbonate based resins. Polymer Composites, 2004, 25, 172-185.	2.3	23
42	Electrical and thermal conductivity and tensile and flexural properties: Comparison of carbon black/polycarbonate and carbon nanotube/polycarbonate resins. Journal of Applied Polymer Science, 2011, 121, 2273-2281.	1.3	22
43	Multiscale thermal modeling of cured cycloaliphatic epoxy/carbon fiber composites. Journal of Applied Polymer Science, 2018, 135, 46371.	1.3	22
44	Tensile and conductivity properties of epoxy composites containing carbon black and graphene nanoplatelets. Journal of Composite Materials, 2018, 52, 3909-3918.	1.2	21
45	Effects of Carbon Fillers on Rheology of Polypropylene-based Resins. Journal of Composite Materials, 2009, 43, 3073-3089.	1.2	20
46	Shielding effectiveness of carbon-filled polypropylene composites. Journal of Composite Materials, 2016, 50, 2177-2189.	1.2	20
47	In vitro flexural properties of hydroxyapatite and self-reinforced poly(L-lactic acid). Journal of Biomedical Materials Research - Part A, 2006, 78A, 541-549.	2.1	19
48	Electrical conductivity modeling of carbon black/polycarbonate, carbon nanotube/polycarbonate, and exfoliated graphite nanoplatelet/polycarbonate composites. Journal of Applied Polymer Science, 2012, 124, 182-189.	1.3	19
49	Electrical conductivity model evaluation of carbon fiber filled liquid crystal polymer composites. Journal of Applied Polymer Science, 2007, 106, 2456-2462.	1.3	17
50	Thermal conductivity models for single and multiple filler carbon/liquid crystal polymer composites. Journal of Applied Polymer Science, 2008, 110, 2914-2923.	1.3	17
51	Comparison of rheological properties of carbon nanotube/polycarbonate and carbon black/polycarbonate composites. Journal of Applied Polymer Science, 2011, 121, 1040-1051.	1.3	17
52	Understanding the Origin of the Low Cure Shrinkage of Polybenzoxazine Resin by Computational Simulation. ACS Applied Polymer Materials, 2021, 3, 6407-6415.	2.0	17
53	Synergistic Effects of Carbon Fillers in Thermally Conductive Liquid Crystal Polymer Based Resins. Journal of Composite Materials, 2008, 42, 91-107.	1.2	15
54	Accelerated hydrothermal aging of cycloaliphatic epoxy/graphene nanoparticle composites. Polymer Degradation and Stability, 2016, 133, 131-135.	2.7	15

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55	Effects of carbon fillers on the rheology of highly filled liquidâ€crystal polymer based resins. Journal of Applied Polymer Science, 2008, 108, 1646-1656.	1.3	14
56	Thermal conductivity of carbon fiber/liquid crystal polymer composites. Journal of Applied Polymer Science, 2006, 102, 5456-5462.	1.3	13
57	Tensile modulus modeling of carbon black/polycarbonate, carbon nanotube/polycarbonate, and exfoliated graphite nanoplatelet/polycarbonate composites. Journal of Applied Polymer Science, 2012, 124, 2269-2277.	1.3	12
58	Tensile modulus modeling of carbon-filled nylon 6,6 and polycarbonate-based resins. Journal of Applied Polymer Science, 2003, 90, 1716-1728.	1.3	11
59	Synergistic effects of carbon fillers on tensile and flexural properties in liquidâ€crystal polymer based resins. Journal of Applied Polymer Science, 2008, 108, 1657-1666.	1.3	11
60	Shielding effectiveness of carbonâ€filled polycarbonate composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
61	Comparison of the guarded-heat-flow and transient-plane-source methods for carbon-filled nylon 6,6 composites: Experiments and modeling. Journal of Applied Polymer Science, 2006, 99, 2144-2151.	1.3	10
62	Effects of multiple carbon fillers on the electrical and thermal conductivity and tensile and flexural modulus of polycarbonate-based resins. Journal of Composite Materials, 2012, 46, 331-350.	1.2	10
63	Nanoscratch testing to assess the fiber adhesion of short-carbon-fiber composites. Journal of Applied Polymer Science, 2007, 103, 328-335.	1.3	9
64	Electrical conductivity and rheology of carbon fiber/liquid crystal polymer composites. Polymer Composites, 2007, 28, 168-174.	2.3	9
65	Tensile modulus modeling of carbonâ€filled liquid crystal polymer composites. Polymer Composites, 2009, 30, 1166-1174.	2.3	9
66	Effects of multiple carbon fillers on the rheology of polycarbonateâ€based composites. Polymer Composites, 2012, 33, 306-316.	2.3	9
67	Effects of carbon fillers on tensile and flexural properties in polypropyleneâ€based resins. Journal of Applied Polymer Science, 2010, 118, 1620-1633.	1.3	8
68	Conductive High Temperature Nylon. Journal of Composite Materials, 2000, 34, 2038-2060.	1.2	6
69	Tensile properties of carbon filled liquid crystal polymer composites. Polymer Composites, 2008, 29, 15-21.	2.3	6
70	Modeling-Driven Damage Tolerant Design of Graphene Nanoplatelet/Carbon Fiber/Epoxy Hybrid Composite Panels for Full-Scale Aerospace Structures. , 2019, , .		5
71	Synergistic effects of multiple carbon fillers on the rheology of liquid crystal polymer based resins. Polymer Composites, 2009, 30, 111-119.	2.3	4
72	Accelerated hygrothermal aging of Talc/Cycloaliphatic epoxy composites. Polymer Composites, 2019, 40, 2946-2953.	2.3	4

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73	Thermal, electrical, and mechanical properties of talcâ€•and glass microsphereâ€Reinforced Cycloaliphatic epoxy composites. Polymer Composites, 2018, 39, E1581.	2.3	3
74	FEM calculations of capillary rheometer flow for carbon-filled liquid crystal polymer composites. Journal of Applied Polymer Science, 2007, 106, 433-438.	1.3	2
75	Inâ€plane thermal conductivity modeling of carbonâ€filled liquid crystal polymerâ€“based resins. Polymer Composites, 2011, 32, 147-157.	2.3	2
76	Development of a 3D Graphene Electrode Dielectrophoretic Device. Journal of Visualized Experiments, 2014, , e51696.	0.2	2