

# Xueqing Liu

## List of Publications by Year in descending order

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49  
papers

761  
citations

430874

18  
h-index

580821

25  
g-index

49  
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49  
docs citations

49  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-Field-Directed Parallel Alignment Architecting 3D Lithium-Ion Pathways within Solid Composite Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15691-15696.	8.0	63
2	Electric Field-Induced Assembly and Alignment of Silver-Coated Cellulose for Polymer Composite Films with Enhanced Dielectric Permittivity and Anisotropic Light Transmission. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24242-24249.	8.0	41
3	Research progress of low dielectric constant polymer materials. <i>Journal of Polymer Engineering</i> , 2022, 42, 677-687.	1.4	37
4	A novel polyphosphonate flame-retardant additive towards safety-reinforced all-solid-state polymer electrolyte. <i>Materials Chemistry and Physics</i> , 2020, 239, 122014.	4.0	35
5	Transparent and through thickness conductive polystyrene films using external magnetic fields for $\alpha$ -alignment of nickel nanoparticles. <i>Nanoscale</i> , 2015, 7, 14636-14642.	5.6	34
6	Facile Fabrication of Urchin-like Polyaniline Microspheres for Electrochemical Energy Storage. <i>Electrochimica Acta</i> , 2017, 254, 25-35.	5.2	34
7	Orderly and highly dense polyaniline nanorod arrays fenced on carbon nanofibers for all-solid-state flexible electrochemical energy storage. <i>Electrochimica Acta</i> , 2020, 338, 135846.	5.2	34
8	Rational design of POSS containing low dielectric resin for SLA printing electronic circuit plate composites. <i>Composites Science and Technology</i> , 2022, 223, 109403.	7.8	32
9	Flame-retardant polyvinyl alcohol membrane with high transparency based on a reactive phosphorus-containing compound. <i>Royal Society Open Science</i> , 2017, 4, 170512.	2.4	31
10	Inserting insulating barriers into conductive particle channels: A new paradigm for fabricating polymer composites with high dielectric permittivity and low dielectric loss. <i>Composites Science and Technology</i> , 2021, 216, 109070.	7.8	27
11	Polyimide film with low thermal expansion and high transparency by self-enhancement of polyimide/SiC nanofibers net. <i>RSC Advances</i> , 2018, 8, 19034-19040.	3.6	26
12	Electrochemical Capacitance of Spherical Nanoparticles Formed by Electrodeposition of Intrinsic Polypyrrole onto Au Electrode. <i>Electrochimica Acta</i> , 2017, 232, 72-79.	5.2	23
13	A facile method in removal of PVP ligands from silver nanowires for high performance and reusable SERS substrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117733.	3.9	22
14	Electric-field-induced out-of-plane alignment of clay in poly(dimethylsiloxane) with enhanced anisotropic thermal conductivity and mechanical properties. <i>Composites Science and Technology</i> , 2018, 165, 39-47.	7.8	21
15	Oriented growth of polyaniline nanofiber arrays onto the glass and flexible substrates using a facile method. <i>Applied Surface Science</i> , 2018, 428, 315-321.	6.1	20
16	In-situ generation of high performance thiol-conjugated solid polymer electrolytes via reliable thiol-acrylate click chemistry. <i>Journal of Power Sources</i> , 2020, 456, 228024.	7.8	20
17	Cellulose nanocrystal enhanced, high dielectric 3D printing composite resin for energy applications. <i>Composites Science and Technology</i> , 2022, 227, 109601.	7.8	19
18	Flame-retardant epoxy resin based on aluminum monomethylphosphinate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 201-210.	3.6	18

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19	Large-scale R2R fabrication of piezoresistive films (Ni/PDMS) with enhanced through thickness electrical and thermal properties by applying a magnetic field. RSC Advances, 2015, 5, 92071-92079.	3.6	17
20	Highly sensitive and well reproducible Surface-enhanced Raman spectroscopy from silver triangular platelets. Talanta, 2016, 161, 599-605.	5.5	14
21	Novel flame-retardant epoxy composites containing aluminium $\hat{2}$ -carboxylethylmethylphosphinate. Polymer Engineering and Science, 2015, 55, 657-663.	3.1	12
22	Electric field assisted gradient structure formation of glass microsphere columns in polymer films. Composites Science and Technology, 2017, 153, 62-70.	7.8	11
23	Flame-retardant thermoplastic polyester based on multiarm aluminum phosphinate for improving anti-dripping. Thermochemica Acta, 2018, 664, 118-127.	2.7	11
24	Flexible transparent flame-retardant membrane based on a novel UV-curable phosphorus-containing acrylate. Fire and Materials, 2018, 42, 99-108.	2.0	11
25	Fertilizer stabilizers reduce nitrous oxide emissions from agricultural soil by targeting microbial nitrogen transformations. Science of the Total Environment, 2022, 806, 151225.	8.0	11
26	A novel intrinsic flame-retardant and flexible polyurethane solid electrolyte for lithium batteries. Materials Chemistry and Physics, 2022, 279, 125763.	4.0	11
27	Contactless electric-field driven Z-alignment of ceramic nanoparticles in polymer electrolyte to enhance ionic conductivity. Materials and Design, 2020, 192, 108753.	7.0	10
28	Nitrification inhibitor 3,4-dimethylpyrazole phosphate (<sc>DMPP</sc>) reduces <sc>N<sub>2</sub>O</sc> emissions by altering the soil microbial community in a wheat-maize rotation on the North China Plain. European Journal of Soil Science, 2021, 72, 1270-1291.	3.9	10
29	Synergy of Single-ion Conductive and Thermo-responsive Copolymer Hydrogels Achieving Anti-Arrhenius Ionic Conductivity. Chemistry - an Asian Journal, 2019, 14, 1404-1408.	3.3	9
30	Highly efficient intumescent flame retardant coating for ABS : Preparation and application. Journal of Applied Polymer Science, 0, , 51860.	2.6	9
31	Novel flame-retardant epoxy based on zinc methylethyl phosphinate. Fire and Materials, 2014, 38, 599-608.	2.0	8
32	Synthesis of aluminum methylcyclohexylphosphinate and its use as flame retardant for epoxy resin. Fire and Materials, 2014, 38, 155-165.	2.0	8
33	Photoresponse properties based on CdS nanoparticles deposited on multi-walled carbon nanotubes. RSC Advances, 2016, 6, 78053-78058.	3.6	8
34	A delicately designed functional binder enabling in situ construction of <sc>3D</sc> cross-linking robust network for high-performance Si/graphite composite anode. Journal of Polymer Science, 2022, 60, 1835-1844.	3.8	8
35	Flame-retardant polyurethane elastomer based on aluminum salt of monomethylphosphinate. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2953-2961.	3.6	7
36	Large-Area Polyaniline Nanorod Growth on a Monolayer Polystyrene Nanosphere Array as an Electrode Material for Supercapacitors. ACS Applied Energy Materials, 2021, 4, 14766-14777.	5.1	7

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37	Do the cations in clay and the polymer matrix affect quantum dot fluorescent properties?. Luminescence, 2016, 31, 1020-1024.	2.9	6
38	Li <sub>0.35</sub> La <sub>0.55</sub> TiO <sub>3</sub> nanofibers filled poly (ethylene carbonate) composite electrolyte with enhanced ion conduction and electrochemical stability. Thin Solid Films, 2021, 734, 138835.	1.8	6
39	Fabrication of novel antimicrobial poly(vinyl chloride) plastic for automobile interior applications. Iranian Polymer Journal (English Edition), 2014, 23, 297-305.	2.4	5
40	Influence of structure of the metal salts of phosphinates on the performance of the fire-retardant polymers. AIP Conference Proceedings, 2015, , .	0.4	4
41	Synthesis of a novel aluminium salt of nitrogen-containing alkylphosphinate with high char formation to flame retard acrylonitrile- <i>butadiene</i> -styrene. Royal Society Open Science, 2020, 7, 200800.	2.4	4
42	AC Electric-Field Assistant Architecting Ordered Network of Ni@PS Microspheres in Epoxy Resin to Enhance Conductivity. Polymers, 2021, 13, 3826.	4.5	4
43	Synthesis and performance of star-shaped aluminum phosphinate flame retardant. Journal of Thermal Analysis and Calorimetry, 2016, 124, 1399-1409.	3.6	3
44	Quantum yield and lifetime data analysis for the UV curable quantum dot nanocomposites. Data in Brief, 2016, 6, 614-618.	1.0	2
45	Insight into Superior Electrochemical Performance of 4.5 V High-Voltage LiCoO <sub>2</sub> Using a Robust Polyacrylonitrile Binder. ACS Applied Energy Materials, 2022, 5, 3072-3080.	5.1	2
46	Synergistic effect of zeolite on the nitrogen-containing phosphinate salt-based acrylonitrile- <i>butadiene</i> -styrene flame-retardant composite. Journal of Polymer Research, 2022, 29, 1.	2.4	2
47	External field alignment of nickel-coated carbon fiber/PDMS composite for biological monitoring with high sensitivity. Journal of Polymer Engineering, 2022, 42, 637-643.	1.4	2
48	Nanoparticles prepared by blending of carboxylic acid terminated poly( $\epsilon$ -caprolactone) and <i>L</i> -phenylalanine substituted dextran. Journal of Applied Polymer Science, 2011, 119, 830-836.	2.6	1
49	Electric field-driven preparation of elastomer/plastic nanoparticles gradient films with enhanced damping property. Journal of Applied Polymer Science, 2020, 137, 48401.	2.6	1