

Xueqing Liu

List of Publications by Year in descending order

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49
papers

761
citations

430874

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49
all docs

49
docs citations

49
times ranked

833
citing authors

#	ARTICLE	IF	CITATIONS
1	Fertilizer stabilizers reduce nitrous oxide emissions from agricultural soil by targeting microbial nitrogen transformations. <i>Science of the Total Environment</i> , 2022, 806, 151225.	8.0	11
2	A novel intrinsic flame-retardant and flexible polyurethane solid electrolyte for lithium batteries. <i>Materials Chemistry and Physics</i> , 2022, 279, 125763.	4.0	11
3	Insight into Superior Electrochemical Performance of 4.5 V High-Voltage LiCoO_2 Using a Robust Polyacrylonitrile Binder. <i>ACS Applied Energy Materials</i> , 2022, 5, 3072-3080.	5.1	2
4	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
5	A delicately designed functional binder enabling in situ construction of 3D crosslinking robust network for high-performance Si/graphite composite anode. <i>Journal of Polymer Science</i> , 2022, 60, 1835-1844.	3.8	8
6	Synergistic effect of zeolite on the nitrogen-containing phosphinate salt-based acrylonitrile-butadiene-styrene flame-retardant composite. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	2
7	External field alignment of nickel-coated carbon fiber/PDMS composite for biological monitoring with high sensitivity. <i>Journal of Polymer Engineering</i> , 2022, 42, 637-643.	1.4	2
8	Research progress of low dielectric constant polymer materials. <i>Journal of Polymer Engineering</i> , 2022, 42, 677-687.	1.4	37
9	Cellulose nanocrystal enhanced, high dielectric 3D printing composite resin for energy applications. <i>Composites Science and Technology</i> , 2022, 227, 109601.	7.8	19
10	Flame-retardant polyurethane elastomer based on aluminum salt of monomethylphosphinate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2953-2961.	3.6	7
11	Nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) reduces N_2O emissions by altering the soil microbial community in a wheat-maize rotation on the North China Plain. <i>European Journal of Soil Science</i> , 2021, 72, 1270-1291.	3.9	10
12	$\text{Li}_0.35\text{La}_0.55\text{TiO}_3$ nanofibers filled poly (ethylene carbonate) composite electrolyte with enhanced ion conduction and electrochemical stability. <i>Thin Solid Films</i> , 2021, 734, 138835.	1.8	6
13	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
14	AC Electric-Field Assistant Architecting Ordered Network of Ni@PS Microspheres in Epoxy Resin to Enhance Conductivity. <i>Polymers</i> , 2021, 13, 3826.	4.5	4
15	Large-Area Polyaniline Nanorod Growth on a Monolayer Polystyrene Nanosphere Array as an Electrode Material for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 14766-14777.	5.1	7
16	Electric field-driven preparation of elastomer/plastic nanoparticles gradient films with enhanced damping property. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48401.	2.6	1
17	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
18	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

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19	Synthesis of a novel aluminium salt of nitrogen-containing alkylphosphinate with high char formation to flame retard acrylonitrile-butadiene-styrene. <i>Royal Society Open Science</i> , 2020, 7, 200800.	2.4	4
20	Contactless electric-field driven Z-alignment of ceramic nanoparticles in polymer electrolyte to enhance ionic conductivity. <i>Materials and Design</i> , 2020, 192, 108753.	7.0	10
21	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
22	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
23	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 & Interfaces</i> , 2020, 12, 24242-24249.	8.0	41
24	Synergy of Single-Ion Conductive and Thermo-responsive Copolymer Hydrogels Achieving Anti-Arrhenius Ionic Conductivity. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1404-1408.	3.3	9
25	Electric-Field-Directed Parallel Alignment Architecting 3D Lithium-Ion Pathways within Solid Composite Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15691-15696.	8.0	63
26	Flame-retardant thermoplastic polyester based on multiarm aluminum phosphinate for improving anti-dripping. <i>Thermochimica Acta</i> , 2018, 664, 118-127.	2.7	11
27	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
28	Flexible transparent flame-retardant membrane based on a novel UV-curable phosphorus-containing acrylate. <i>Fire and Materials</i> , 2018, 42, 99-108.	2.0	11
29	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
30	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
31	Flame-retardant epoxy resin based on aluminum monomethylphosphinate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 201-210.	3.6	18
32	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
33	Electric field assisted gradient structure formation of glass microsphere columns in polymer films. <i>Composites Science and Technology</i> , 2017, 153, 62-70.	7.8	11
34	Facile Fabrication of Urchin-like Polyaniline Microspheres for Electrochemical Energy Storage. <i>Electrochimica Acta</i> , 2017, 254, 25-35.	5.2	34
35	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
36	Do the cations in clay and the polymer matrix affect quantum dot fluorescent properties?. <i>Luminescence</i> , 2016, 31, 1020-1024.	2.9	6

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37	Photoresponse properties based on CdS nanoparticles deposited on multi-walled carbon nanotubes. RSC Advances, 2016, 6, 78053-78058.	3.6	8
38	Highly sensitive and well reproducible Surface-enhanced Raman spectroscopy from silver triangular platelets. Talanta, 2016, 161, 599-605.	5.5	14
39	Synthesis and performance of star-shaped aluminum phosphinate flame retardant. Journal of Thermal Analysis and Calorimetry, 2016, 124, 1399-1409.	3.6	3
40	Quantum yield and lifetime data analysis for the UV curable quantum dot nanocomposites. Data in Brief, 2016, 6, 614-618.	1.0	2
41	Influence of structure of the metal salts of phosphinates on the performance of the fire-retardant polymers. AIP Conference Proceedings, 2015, , .	0.4	4
42	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
43	Transparent and through thickness conductive polystyrene films using external magnetic fields for alignment of nickel nanoparticles. Nanoscale, 2015, 7, 14636-14642.	5.6	34
44	Novel flame-retardant epoxy composites containing aluminium β -carboxylethylmethylphosphinate. Polymer Engineering and Science, 2015, 55, 657-663.	3.1	12
45	Fabrication of novel antimicrobial poly(vinyl chloride) plastic for automobile interior applications. Iranian Polymer Journal (English Edition), 2014, 23, 297-305.	2.4	5
46	Novel flame-retardant epoxy based on zinc methylethyl phosphinate. Fire and Materials, 2014, 38, 599-608.	2.0	8
47	Synthesis of aluminum methylcyclohexylphosphinate and its use as flame retardant for epoxy resin. Fire and Materials, 2014, 38, 155-165.	2.0	8
48	Nanoparticles prepared by blending of carboxylic acid terminated poly(ϵ -caprolactone) and L-phenylalanine substituted dextran. Journal of Applied Polymer Science, 2011, 119, 830-836.	2.6	1
49	Highly efficient intumescent flame retardant coating for ABS : Preparation and application. Journal of Applied Polymer Science, 0, , 51860.	2.6	9