

Shuhui Yu

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,265
citations

257101

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docs citations

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times ranked

2031
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced hybrid membrane for vanadium redox flow battery created by polytetrafluoroethylene layer and functionalized silicon carbide nanowires. <i>Chemical Engineering Journal</i> , 2022, 427, 131413.	6.6	22
2	In Situ Grown Tungsten Trioxide Nanoparticles on Graphene Oxide Nanosheet to Regulate Ion Selectivity of Membrane for High Performance Vanadium Redox Flow Battery. <i>Advanced Functional Materials</i> , 2022, 32, 2109427.	7.8	20
3	Protonation of g-C ₃ N ₄ and its temperature-sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6190-6200.	1.1	1
4	Complete nucleotide sequence of a novel alphapartitivirus from <i>Rhizoctonia solani</i> AG-4 HG III isolate SM03. <i>Archives of Virology</i> , 2022, 167, 953-957.	0.9	5
5	Flexible BaTiO ₃ /SiC@PbTiO ₃ /epoxy composite films with enhanced dielectric performance at high frequency. <i>Ceramics International</i> , 2022, 48, 20102-20109.	2.3	2
6	An Epoxy Composite Film for Modified Semi-Addictive Process. , 2021, , .		0
7	Enhancement of dielectric breakdown strength and energy storage of all-polymer films by surface flattening. <i>Chemical Engineering Journal</i> , 2021, 412, 128476.	6.6	49
8	Effect of grain size on dielectric properties and reliability for ultra-thin MLCCs. , 2021, , .		0
9	Thermally Self-Healable Titanium Dioxide/Polyurethane Nanocomposites with Recoverable Mechanical and Dielectric Properties. <i>Macromolecular Research</i> , 2020, 28, 373-381.	1.0	9
10	BaTiO ₃ internally decorated hollow porous carbon hybrids as fillers enhancing dielectric and energy storage performance of sandwich-structured polymer composite. <i>Nano Energy</i> , 2020, 68, 104351.	8.2	71
11	Elaborately fabricated polytetrafluoroethylene film exhibiting superior high-temperature energy storage performance. <i>Applied Materials Today</i> , 2020, 21, 100882.	2.3	20
12	Electrochemically Etched Tantalum Foils as Anode for Tantalum Electrolytic Capacitors. , 2020, , .		0
13	Hybrid particles of Ag nanoparticles embedded in (Ba _{0.6} Sr _{0.4})TiO ₃ fibers as fillers in polyvinylidene fluoride composites leading to excellent dielectric property. , 2020, , .		1
14	Self-healable and mechanically reinforced polyurethane/titanium dioxide dielectric nanocomposites by exchangeable disulfide links. , 2020, , .		0
15	Optimizing electric field distribution via tuning cross-linked point size for improving the dielectric properties of polymer nanocomposites. <i>Nanoscale</i> , 2020, 12, 12416-12425.	2.8	20
16	Nanoparticles with rationally designed isoelectronic traps as fillers significantly enhance breakdown strength and electrostatic energy density of polymer composites. <i>Composites Science and Technology</i> , 2020, 195, 108201.	3.8	33
17	Increased effective piezoelectric response of structurally modulated P(VDF-TrFE) film devices for effective energy harvesters. <i>Materials and Design</i> , 2020, 192, 108700.	3.3	15
18	Toward High Micro-Supercapacitive Performance by Constructing Graphene-Supported NiMoS ₄ Hybrid Materials on 3D Current Collectors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19779-19786.	3.2	21

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19	Simultaneously Enhanced Permittivity and Electric Breakdown Strength of Polyacrylonitrile Composites by Introducing Ultralow Content BaSrTiO ₃ Nanofibers. <i>Advanced Engineering Materials</i> , 2019, 21, 1900817.	1.6	20
20	Genome sequence of the Chinese white wax scale insect <i>Ericerus pela</i> : the first draft genome for the Coccidae family of scale insects. <i>GigaScience</i> , 2019, 8, .	3.3	15
21	Formation of cerium oxide hollow spheres and investigation of hollowing mechanism. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5
22	Enhanced electrocaloric effect for refrigeration in lead-free polymer composite films with an optimal filler loading. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	20
23	Dielectric self-healing BNNS/PU nanocomposites based on DA chemistry. , 2019, , .		0
24	Toward high-performance all-solid-state supercapacitors using facilely fabricated graphite nanosheet-supported CoMoS ₄ as electrode material. <i>Chemical Engineering Journal</i> , 2019, 355, 891-900.	6.6	50
25	Significantly Enhanced Electrostatic Energy Storage Performance of Flexible Polymer Composites by Introducing Highly Insulating Ferroelectric Microhybrids as Fillers. <i>Advanced Energy Materials</i> , 2019, 9, 1803204.	10.2	250
26	Significantly enhanced dielectric and energy storage performance of blend polymer-based composites containing inorganic 3D network. <i>Materials and Design</i> , 2018, 142, 106-113.	3.3	24
27	Shape-controlled synthesis of CoMoO ₄ @Co _{1.5} Ni _{1.5} S ₄ hybrids with rambutan-like structure for high-performance all-solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 346, 193-202.	6.6	39
28	Dielectric and energy storage behavior of PVDF composite film filled with graphene quantum dots decorated BaTiO ₃ . , 2018, , .		0
29	Effect of ZnS size on the dielectric and energy storage properties of ZnS/polymer composites. , 2018, , .		0
30	Fabricating 3D BT-BN/epoxy Composites with High Dielectric Performance. , 2018, , .		1
31	High energy density polymer nanocomposites with Y-doped barium strontium titanate nanoparticles as fillers. <i>IET Nanodielectrics</i> , 2018, 1, 137-142.	2.0	22
32	A facile and clean process for exfoliating MoS ₂ nanosheets assisted by a surface active agent in aqueous solution. <i>Nanotechnology</i> , 2018, 29, 425702.	1.3	15
33	Core-Shell Structural Fillers to High Energy Storage Dielectric Polymer Materials. , 2018, , 199-245.		0
34	Construction of a 3D-BaTiO ₃ network leading to significantly enhanced dielectric permittivity and energy storage density of polymer composites. <i>Energy and Environmental Science</i> , 2017, 10, 137-144.	15.6	265
35	Improved permittivity and breakdown strength of PVDF composites filled with TiO ₂ -SrTiO ₃ hybrids. , 2017, , .		0
36	Enhanced breakdown strength of polymer composites by low filler loading and its mechanisms. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	47

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37	The Cu@SiO ₂ core-shell nanoparticles filled polyvinylidene fluoride nanocomposites film: Fabrication, characterization and dielectric property analysis. , 2017, , .		0
38	Dielectric properties of epoxy nanocomposites filled with copper oxides. , 2017, , .		0
39	ZnO-Decorated Carbon Nanotube Hybrids as Fillers Leading to Reversible Nonlinear ϵ'' ϵ'' Behavior of Polymer Composites for Device Protection. ACS Applied Materials & Interfaces, 2016, 8, 35545-35551.	4.0	21
40	Oxidation resistant core-shell Cu@SiO ₂ nanowires for composites with high dielectric performance. , 2016, , .		2
41	Surface-modified barium titanate by MEEAA for high-energy storage application of polymer composites. High Voltage, 2016, 1, 175-180.	2.7	24
42	Enhancement of dielectric performance upto GHz of the composites with polymer encapsulated hybrid BaTiO ₃ -Cu as fillers: multiple interfacial polarizations playing a key role. RSC Advances, 2016, 6, 36450-36458.	1.7	29
43	Investigation of nonlinear ϵ'' behavior of CNTs filled polymer composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 206, 55-60.	1.7	32
44	Clean and in-situ synthesis of copper-epoxy nanocomposite as a matrix for dielectric composites with improved dielectric performance. Composites Science and Technology, 2015, 110, 95-102.	3.8	31
45	Investigating the mechanism of catalytic reduction of silver nitrate on the surface of barium titanate at room temperature: oxygen vacancies play a key role. RSC Advances, 2015, 5, 3377-3380.	1.7	11
46	Mechanical reinforcement while remaining electrical insulation of glass fibre/polymer composites using core-shell CNT@SiO ₂ hybrids as fillers. Composites Part A: Applied Science and Manufacturing, 2015, 73, 260-268.	3.8	50
47	Low loss CCTO@Fe ₃ O ₄ /epoxy composites with matched permeability and permittivity for high frequency applications. , 2015, , .		0
48	A systematic study on electrical properties of the BaTiO ₃ -epoxy composite with different sized BaTiO ₃ as fillers. Journal of Alloys and Compounds, 2015, 620, 315-323.	2.8	44
49	Critical interparticle distance for the remarkably enhanced dielectric constant of BaTiO ₃ -Ag hybrids filled polyvinylidene fluoride composites. Applied Physics Letters, 2014, 104, 252903.	1.5	26
50	Mechanism of high dielectric performance of polymer composites induced by BaTiO ₃ -supporting Ag hybrid fillers. Applied Physics Letters, 2014, 104, .	1.5	65
51	Nano Ag-Deposited BaTiO ₃ Hybrid Particles as Fillers for Polymeric Dielectric Composites: Toward High Dielectric Constant and Suppressed Loss. ACS Applied Materials & Interfaces, 2014, 6, 176-182.	4.0	275
52	Thermal behavior and dielectric property analysis of boron nitride-filled bismaleimide-triazine resin composites. Journal of Applied Polymer Science, 2013, 128, 1353-1359.	1.3	32
53	Effect of functionalized multiwall carbon nanotubes on the curing kinetics and reaction mechanism of bismaleimide-triazine. Journal of Thermal Analysis and Calorimetry, 2013, 114, 387-395.	2.0	14
54	A Compact Low-Pass Filter Based on the Fe ₃ O ₄ @SiO ₂ -CCTO-Epoxy Composite Film. Integrated Ferroelectrics, 2013, 142, 61-72.	0.3	6

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55	Effects and mechanism of graft modification on the dielectric performance of polymer matrix composites. <i>Composites Science and Technology</i> , 2013, 89, 127-133.	3.8	22
56	Preparation and dielectric properties of BaTiO ₃ /PANI filled PVDF composites. , 2013, , .		0
57	Microstructure and dielectric behavior of the three-phase Ag@SiO ₂ /BaTiO ₃ /PVDF composites with high permittivity. <i>Journal of Materials Research</i> , 2012, 27, 991-998.	1.2	42
58	KCl-assisted, chemically reduced graphene oxide for high-performance supercapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3635-3641.	1.2	9
59	Effects of BaTiO ₃ and FeAlSi as fillers on the magnetic, dielectric and microwave absorption characteristics of the epoxy-based composites. <i>Ceramics International</i> , 2012, 38, 3553-3562.	2.3	38
60	Electrical modulus analysis on the Ni/CCTO/PVDF system near the percolation threshold. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 475305.	1.3	53
61	Nano- and microsize effect of CCTO fillers on the dielectric behavior of CCTO/PVDF composites. <i>Acta Materialia</i> , 2011, 59, 5593-5602.	3.8	224
62	Microstructure and electrical properties of Mn-doped barium strontium titanate thin films prepared on copper foils. <i>Applied Surface Science</i> , 2010, 256, 6531-6535.	3.1	39
63	Microstructure and electrical properties of Ba _{0.5} Sr _{0.5} TiO ₃ thin films prepared on copper foils with La ₂ O ₃ buffer layers. <i>Applied Surface Science</i> , 2009, 255, 8319-8323.	3.1	8
64	Observations and Analyses on the Thermal Stability of (1-x)Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (x)Pb(Zn _{1/3} /su Chemistry of Materials, 2007, 19, 4373-4377.	3.2	4
65	Structure and Properties of (1-x)PZN-xPT Thin Films with Perovskite Phase Promoted by Polyethylene Glycol. <i>Chemistry of Materials</i> , 2006, 18, 5343-5350.	3.2	20
66	Preparation of perovskite Pb(Zn _{1-x} 3Nb _{2-x} 3)O ₃ -based thin films from polymer-modified solution precursors. <i>Applied Physics Letters</i> , 2006, 88, 052904.	1.5	28
67	Effects of poly(ethylene glycol) additive molecular weight on the microstructure and properties of sol-gel-derived lead zirconate titanate thin films. <i>Journal of Materials Research</i> , 2003, 18, 737-741.	1.2	54