

# Guoping Zhang

## List of Publications by Year in descending order

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55  
papers

2,350  
citations

257450

24  
h-index

243625

44  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advancements in Flexible and Stretchable Electrodes for Electromechanical Sensors: Strategies, Materials, and Features. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 12147-12164.	8.0	359
2	Highly Stretchable and Sensitive Strain Sensor Based on Facilely Prepared Three-Dimensional Graphene Foam Composite. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18954-18961.	8.0	176
3	In situ polymerization of mechanically reinforced, thermally healable graphene oxide/polyurethane composites based on Diels-Alder chemistry. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20642-20649.	10.3	137
4	Facile preparation of nitrogen/sulfur co-doped and hierarchical porous graphene hydrogel for high-performance electrochemical capacitor. <i>Journal of Power Sources</i> , 2017, 345, 146-155.	7.8	109
5	Ultrafast Self-Healing Nanocomposites via Infrared Laser and Their Application in Flexible Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3040-3049.	8.0	103
6	Binary Synergistic Sensitivity Strengthening of Bioinspired Hierarchical Architectures based on Fragmentized Reduced Graphene Oxide Sponge and Silver Nanoparticles for Strain Sensors and Beyond. <i>Small</i> , 2017, 13, 1700944.	10.0	97
7	Advancements in Copper Nanowires: Synthesis, Purification, Assemblies, Surface Modification, and Applications. <i>Small</i> , 2018, 14, e1800047.	10.0	83
8	Heat-triggered poly(siloxane-urethane)s based on disulfide bonds for self-healing application. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46532.	2.6	77
9	A covalently cross-linked reduced functionalized graphene oxide/polyurethane composite based on Diels-Alder chemistry and its potential application in healable flexible electronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 220-228.	5.5	72
10	A synergistic self-assembled 3D PEDOT:PSS/graphene composite sponge for stretchable microsupercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 554-564.	10.3	72
11	Highly electrically conductive and stretchable copper nanowires-based composite for flexible and printable electronics. <i>Composites Science and Technology</i> , 2017, 146, 169-176.	7.8	62
12	A crack-based nickel@graphene-wrapped polyurethane sponge ternary hybrid obtained by electrodeposition for highly sensitive wearable strain sensors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10167-10175.	5.5	61
13	UV-triggered self-healing polyurethane with enhanced stretchability and elasticity. <i>Polymer</i> , 2019, 172, 187-195.	3.8	61
14	Covalently bonded nitrogen-doped carbon-nanotube-supported Ag hybrid sponges: Synthesis, structure manipulation, and its application for flexible conductors and strain-gauge sensors. <i>Carbon</i> , 2015, 86, 225-234.	10.3	59
15	Percolation threshold-inspired design of hierarchical multiscale hybrid architectures based on carbon nanotubes and silver nanoparticles for stretchable and printable electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6666-6674.	5.5	58
16	A facile method to prepare highly compressible three-dimensional graphene-only sponge. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15482-15488.	10.3	54
17	Biomimetic, recyclable, highly stretchable and self-healing conductors enabled by dual reversible bonds. <i>Chemical Engineering Journal</i> , 2019, 371, 203-212.	12.7	53
18	An Omni-Healable and Highly Sensitive Capacitive Pressure Sensor with Microarray Structure. <i>Chemistry - A European Journal</i> , 2018, 24, 16823-16832.	3.3	49

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19	Thermally reversible and self-healing novolac epoxy resins based on Diels-Alder chemistry. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	47
20	Low-Dielectric Constant and Low-Temperature Curable Polyimide/POSS Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900505.	3.6	45
21	Three-Dimensional Graphene Structure for Healable Flexible Electronics Based on Diels-Alder Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9727-9735.	8.0	44
22	Fabrication of highly reinforced and compressible graphene/carbon nanotube hybrid foams via a facile self-assembly process for application as strain sensors and beyond. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2723-2730.	5.5	42
23	Highly Ordered 3D Porous Graphene Sponge for Wearable Piezoresistive Pressure Sensor Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 6378-6384.	3.3	39
24	Alkaline monomer for mechanical enhanced and self-healing hydrogels based on dynamic borate ester bonds. <i>Polymer</i> , 2019, 184, 121882.	3.8	34
25	Low-temperature curable and low-dielectric polyimide nanocomposites using aminoquinoline-functionalized graphene oxide Nanosheets. <i>Composites Part B: Engineering</i> , 2022, 228, 109412.	12.0	29
26	Nacre-inspired highly stretchable piezoresistive Cu-Ag nanowire/graphene synergistic conductive networks for strain sensors and beyond. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7061-7072.	5.5	24
27	Low temperature microwave fabrication of three-dimensional graphene/polyimide foams with flexibility strain responsivity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 105995.	7.6	24
28	Self-Healable Polyelectrolytes with Mechanical Enhancement for Flexible and Durable Supercapacitors. <i>Chemistry - A European Journal</i> , 2019, 25, 11715-11724.	3.3	23
29	A comprehensive study of pyrazine-contained and low-temperature curable polyimide. <i>Polymer</i> , 2021, 228, 123963.	3.8	23
30	Natively stretchable micro-supercapacitors based on a PEDOT:PSS hydrogel. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1685-1692.	5.5	23
31	Comprehensive properties study of low-temperature imidized polyimide with curing accelerators. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14886-14894.	5.5	22
32	Layer-by-Layer Assembly of Multifunctional Porous N-Doped Carbon Nanotube Hybrid Architectures for Flexible Conductors and Beyond. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6716-6723.	8.0	21
33	Fabrication of a flexible and stretchable three-dimensional conductor based on Au-Ni@graphene coated polyurethane sponge by electroless plating. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8135-8143.	5.5	21
34	Low temperature curing polyimides with covalent-bonded 5-aminobenzimidazole. <i>Polymer</i> , 2021, 218, 123514.	3.8	19
35	Facile preparation of folded structured single-walled carbon nanotube hybrid paper: Toward applications as flexible conductor and temperature-driven switch. <i>Carbon</i> , 2015, 95, 987-994.	10.3	18
36	Stretchable and self-healable polyelectrolytes for flexible and sustainable supercapacitor. <i>Journal of Power Sources</i> , 2021, 487, 229394.	7.8	18

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37	Self-Healable and Mechanically Reinforced Multidimensional Carbon/Polyurethane Dielectric Nanocomposite Incorporates Various Functionalities for Capacitive Strain Sensor Applications. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800369.	2.2	17
38	Ladderlike Conical Micropillars Facilitating Underwater Gas-Bubble Manipulation in an Aqueous Environment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42437-42445.	8.0	15
39	Fluorinated graphene/polyimide nanocomposites for advanced electronic packaging applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49801.	2.6	15
40	Organosoluble thermoplastic polyimide with improved thermal stability and UV absorption for temporary bonding and debonding in ultra-thin chip package. <i>Polymer</i> , 2022, 244, 124660.	3.8	14
41	Formation of Polymer Insulation Layer (Liner) on Through Silicon Vias (TSV) with High Aspect Ratio over 5:1 by Direct Spin Coating. , 2016, , .		6
42	Highly sensitive strain sensors based on hollow packaged silver nanoparticle-decorated three-dimensional graphene foams for wearable electronics. <i>RSC Advances</i> , 2019, 9, 39958-39964.	3.6	6
43	Adhesion and Interface Studies of the Structure-Controlled Polyimide with Smooth Copper for High-Frequency Communication. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101745.	3.7	6
44	Effects of quinoline on the imidization temperature and properties of polyimide. <i>Materials Research Express</i> , 2019, 6, 125358.	1.6	5
45	Controllable Synthesis and Study on Morphology of Copper Nanowires. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 1354-1359.	1.4	3
46	Intrinsic low dielectric constant and low dielectric loss polyimides: the effect of molecular structure. , 2019, , .		2
47	Low CTE Polyimide for Advanced Package Application. , 2021, , .		1
48	Tuning the Curing Temperature of Polyimide Precursor: Ploy Amide Ester. , 2021, , .		1
49	Novel Low-dielectric Fluorinated Carbon Fiber/Polyimide Materials with High Elongation. , 2021, , .		1
50	Dielectric self-healing BNNS/PU nanocomposites based on DA chemistry. , 2019, , .		0
51	Low temperature curable polyimides for advanced package application. , 2021, , .		0
52	Properties of room temperature bonded and UV cured temporary bonding adhesive for ultra-thin wafer's handling. , 2021, , .		0
53	Novel water-soluble protective adhesive for wafer's laser dicing. , 2021, , .		0
54	Low Temperature Curing Copolyimide with Monomer Containing Pyrazine Moiety. , 2021, , .		0

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55	Synthesis and properties study of a thermoplastic polyimide with high glass transition temperature for wafer level package. , 2021, , .		0