

# Wenyi Yang

## List of Publications by Year in descending order

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34  
papers

1,167  
citations

840119

11  
h-index

676716

22  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of Thermal Interface Materials. <i>Small</i> , 2022, 18, e2200693.	5.2	54
2	Effect of the cooling rate in solidification on the electrical behavior of solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7867-7874.	1.1	5
3	Effect of temperature on the electrical conduction and dielectric behavior of solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6511-6519.	1.1	6
4	Electric polarization and depolarization of solder, and their effects on electrical conduction. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6214-6227.	1.1	5
5	First report of the ferroelectric behavior of a metal, as shown for solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16979-16989.	1.1	3
6	Electret behavior discovered in solder, specifically tin-silver. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19145-19156.	1.1	4
7	Dielectric behavior discovered in electrically conductive thick film. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19605-19613.	1.1	1
8	Effect of water on the dielectric behavior of solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22196-22204.	1.1	0
9	Electret, piezoelectret and piezoresistivity discovered in steels, with application to structural self-sensing and structural self-powering. <i>Smart Materials and Structures</i> , 2019, 28, 075028.	1.8	25
10	Piezoelectricity, piezoresistivity and dielectricity discovered in solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4462-4472.	1.1	17
11	Continuous carbon fiber polymer matrix composites in unprecedented antiferroelectric coupling providing exceptionally high through-thickness electric permittivity. <i>Journal of Materials Science</i> , 2016, 51, 6913-6932.	1.7	10
12	Mats and Fabrics for Electromagnetic Interference Shielding. <i>Journal of Materials Engineering and Performance</i> , 2006, 15, 295-298.	1.2	36
13	Improving the electrical and mechanical behavior of electrically conductive paint by partial replacement of silver by carbon black. <i>Journal of Electronic Materials</i> , 2006, 35, 118-122.	1.0	27
14	Electrical Conduction Behavior of Cement-Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2002, 11, 194-204.	1.2	82
15	Thermoelectric structural composites and thermocouples using them. <i>Materials Research Society Symposia Proceedings</i> , 2001, 691, 1.	0.1	0
16	Composites of Carbon Filaments Made from Methane. <i>Materials Research Society Symposia Proceedings</i> , 2001, 702, 1.	0.1	0
17	Tribology of Material Contacts under Dynamic Loading, Studied by Electrical Resistance Measurement. <i>Materials Research Society Symposia Proceedings</i> , 2001, 697, 8111.	0.1	0
18	Microstructure and Damage of the Interlaminar Interface of Carbon Fiber Polymer-Matrix Composites, Monitored by Contact Electrical Resistivity Measurement. <i>Materials Research Society Symposia Proceedings</i> , 2001, 699, 921.	0.1	0

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19	Adhesion and Interfaces Involving Polymers, Studied by Electrical Resistance Measurement. Materials Research Society Symposia Proceedings, 2001, 710, 1.	0.1	0
20	Thermal Interface Materials. Journal of Materials Engineering and Performance, 2001, 10, 56-59.	1.2	198
21	Submicron diameter nickel filaments and their polymer-matrix composites. Journal of Materials Science, 2000, 35, 1773-1785.	1.7	78
22	Materials for Electromagnetic Interference Shielding. Journal of Materials Engineering and Performance, 2000, 9, 350-354.	1.2	487
23	Flexible Graphite for Gasketing, Adsorption, Electromagnetic Interference Shielding, Vibration Damping, Electrochemical Applications, and Stress Sensing. Journal of Materials Engineering and Performance, 2000, 9, 161-163.	1.2	92
24	Interface in Mechanically Fastened Steel Joint, Studied by Contact Electrical Resistance Measurement. Journal of Materials Engineering and Performance, 2000, 9, 95-97.	1.2	3
25	Corrosion Control of Steel-Reinforced Concrete. Journal of Materials Engineering and Performance, 2000, 9, 585-588.	1.2	28
26	Characterizing the Dispersion of Constituents in Concrete by Electrical Resistivity. Materials Research Society Symposia Proceedings, 1997, 500, 303.	0.1	0
27	Electromechanical Study of Carbon Fiber Composites. Materials Research Society Symposia Proceedings, 1997, 500, 43.	0.1	0
28	Self-Monitoring of Strain and Damage by Carbon Fiber Polymer-Matrix Composite. Materials Research Society Symposia Proceedings, 1996, 459, 171.	0.1	0
29	Flexible Graphite as A Strain/stress Sensor. Materials Research Society Symposia Proceedings, 1996, 459, 255.	0.1	1
30	Nickel Aluminide (Ni3Al) Fabricated By Reactive Infiltration. Materials Research Society Symposia Proceedings, 1994, 364, 867.	0.1	0
31	The Fiber-Matrix Interface in Fiber Reinforced Concrete Studied by Contact Electrical Resistivity Measurement. Materials Research Society Symposia Proceedings, 1994, 370, 559.	0.1	0
32	Silicon Carbide Whisker Reinforced Aluminum with Improved Temperature Resistance Due to the Use of a Phosphate Binder. Materials Research Society Symposia Proceedings, 1991, 226, 153.	0.1	0
33	Elastomeric Conductors for Electrical Contacts. Materials Research Society Symposia Proceedings, 1991, 226, 85.	0.1	0
34	Dielectric Behavior of an Electrically Conductive Metal-Particle Thick Film. Journal of Electronic Materials, 0, , 1.	1.0	3