Wenyi Yang

List of Publications by Year
in descending order

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	Materials for Electromagnetic Interference Shielding. Journal of Materials Engineering and Performance, 2000, 9, 350-354.	1.2	487
2	Thermal Interface Materials. Journal of Materials Engineering and Performance, 2001, 10, 56-59.	1.2	198
3	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
4	Electrical Conduction Behavior of Cement-Matrix Composites. Journal of Materials Engineering and Performance, 2002, 11, 194-204.	1.2	82
5	Submicron diameter nickel filaments and their polymer-matrix composites. Journal of Materials Science, 2000, 35, 1773-1785.	1.7	78
6	Performance of Thermal Interface Materials. Small, 2022, 18, e2200693.	5.2	54
7	Mats and Fabrics for Electromagnetic Interference Shielding. Journal of Materials Engineering and Performance, 2006, 15, 295-298.	1.2	36
8	Corrosion Control of Steel-Reinforced Concrete. Journal of Materials Engineering and Performance, 2000, 9, 585-588.	1.2	28
9	Improving the electrical and mechanical behavior of electrically conductive paint by partial replacement of silver by carbon black. Journal of Electronic Materials, 2006, 35, 118-122.	1.0	27
10	Electret, piezoelectret and piezoresistivity discovered in steels, with application to structural self-sensing and structural self-powering. Smart Materials and Structures, 2019, 28, 075028.	1.8	25
11	Piezoelectricity, piezoresistivity and dielectricity discovered in solder. Journal of Materials Science: Materials in Electronics, 2019, 30, 4462-4472.	1.1	17
12	Continuous carbon fiber polymerâ€“matrix composites in unprecedented antiferroelectric coupling providing exceptionally high through-thickness electric permittivity. Journal of Materials Science, 2016, 51, 6913-6932.	1.7	10
13	Effect of temperature on the electrical conduction and dielectric behavior of solder. Journal of Materials Science: Materials in Electronics, 2021, 32, 6511-6519.	1.1	6
14	Effect of the cooling rate in solidification on the electrical behavior of solder. Journal of Materials Science: Materials in Electronics, 2021, 32, 7867-7874.	1.1	5
15	Electric polarization and depolarization of solder, and their effects on electrical conduction. Journal of Materials Science: Materials in Electronics, 2021, 32, 6214-6227.	1.1	5
16	Electret behavior discovered in solder, specifically tinâ€“silver. Journal of Materials Science: Materials in Electronics, 2021, 32, 19145-19156.	1.1	4
17	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
18	First report of the ferroelectric behavior of a metal, as shown for solder. Journal of Materials Science: Materials in Electronics, 2021, 32, 16979-16989.	1.1	3

#	Article	IF	Citations
19	Dielectric Behavior of an Electrically Conductive Metal-Particle Thick Film. Journal of Electronic Materials, 0, , 1.	1.0	3
20	Flexible Graphite as A Strain/stress Sensor. Materials Research Society Symposia Proceedings, 1996, 459, 255.	0.1	1
21	Dielectric behavior discovered in electrically conductive thick film. Journal of Materials Science: Materials in Electronics, 2021, 32, 19605-19613.	1.1	1
22	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
23	Elastomeric Conductors for Electrical Contacts. Materials Research Society Symposia Proceedings, 1991, 226, 85.	0.1	0
24	Nickel Aluminide (Ni3Al) Fabricated By Reactive Infiltration. Materials Research Society Symposia Proceedings, 1994, 364, 867.	0.1	0
25	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
26	Self-Monitoring of Strain and Damage by Carbon Fiber Polymer-Matrix Composite. Materials Research Society Symposia Proceedings, 1996, 459, 171.	0.1	0
27	Characterizing the Dispersion of Constituents in Concrete by Electrical Resistivity. Materials Research Society Symposia Proceedings, 1997, 500, 303.	0.1	0
28	Electromechanical Study of Carbon Fiber Composites. Materials Research Society Symposia Proceedings, 1997, 500, 43.	0.1	0
29	Thermoelectric structural composites and thermocouples using them. Materials Research Society Symposia Proceedings, 2001, 691, 1.	0.1	0
30	Composites of Carbon Filaments Made from Methane. Materials Research Society Symposia Proceedings, 2001, 702, 1.	0.1	0
31	Tribology of Material Contacts under Dynamic Loading, Studied by Electrical Resistance Measurement. Materials Research Society Symposia Proceedings, 2001, 697, 8111.	0.1	0
32	Microstructure and Damage of the Interlaminar Interface of Carbon Fiber Polymer-Matrix Composites, Monitored by Contact Electrical Resistivity Measurement. Materials Research Society Symposia Proceedings, 2001, 699, 921.	0.1	0
33	Adhesion and Interfaces Involving Polymers, Studied by Electrical Resistance Measurement. Materials Research Society Symposia Proceedings, 2001, 710, 1.	0.1	0
34	Effect of water on the dielectric behavior of solder. Journal of Materials Science: Materials in Electronics, 2021, 32, 22196-22204.	1.1	0