Yao Zhao

List of Publications by Year in Descending Order

14 papers	126 citations	7 h-index	11 g-index
16 ext. papers	165 ext. citations	4.7 avg, IF	2.86 L-index

#	Paper	IF	Citations
14	Shape-morphing materials and structures for energy-efficient building envelopes. *Materials Today Energy*, **2021**, 22, 100874	7	3
13	Synthesis and catalytic performance of polydopamine supported metal nanoparticles. *Scientific Reports*, **2020**, 10, 10416	4.9	10
12	Development of copper powder paste for direct printing and soft mold casting. *Additive Manufacturing*, **2020**, 31, 100992	6.1	1
11	Ductile Shape-Memory Polymer Composite with Enhanced Shape Recovery Ability. *ACS Applied Materials & Interfaces*, **2020**, 12, 58295-58300	9.5	9
10	Nanoparticle-Infused UHMWPE Layer as Multifunctional Coating for High-Performance PPTA Single Fibers. *Scientific Reports*, **2019**, 9, 7183	4.9	1
9	Mechanical properties of polydopamine (PDA) thin films. *MRS Advances*, **2019**, 4, 405-412	0.7	11
8	Biopolymer-Assisted Manufacturing of Aluminum–Copper Nanoparticle Composites with Enhanced Sinterability. *ACS Applied Nano Materials*, **2019**, 2, 5688-5694	5.6	2
7	Electron-beam induced in situ growth of self-supported metal nanoparticles in ion-containing polydopamine. *Materials Letters*, **2019**, 252, 277-281	3.3	6
6	Enhancing the electrical and mechanical properties of copper by introducing nanocarbon derived from polydopamine coating. *Journal of Alloys and Compounds*, **2019**, 778, 288-293	5.7	5
5	Structural evolution and electrical properties of metal ion-containing polydopamine. *Journal of Materials Science*, **2019**, 54, 6393-6400	4.3	12
4	Effect of material anisotropy on the transverse thermoelectricity of layered composites. *International Journal of Energy Research*, **2019**, 43, 181-188	4.5	5
3	Preparation and electrical properties of sintered copper powder compacts modified by polydopamine-derived carbon nanofilms. *Journal of Materials Science*, **2018**, 53, 6562-6573	4.3	12
2	Copper-polydopamine composite derived from bioinspired polymer coating. *Journal of Alloys and Compounds*, **2018**, 742, 191-198	5.7	7
1	Electrical and mechanical properties of poly(dopamine)-modified copper/reduced graphene oxide composites. *Journal of Materials Science*, **2017**, 52, 11620-11629	4.3	39