

# Xuming Pang

## List of Publications by Year in descending order

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22  
papers

162  
citations

1040056

9  
h-index

1199594

12  
g-index

22  
all docs

22  
docs citations

22  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical thermostability and weatherability of TiN/TiC-Ni/Mo cermet-based spectral selective absorbing coating by laser cladding. <i>Optical Materials</i> , 2021, 117, 111195.	3.6	10
2	Optical performance and corrosion resistance of TiN/Ni multiphase cermet by laser cladding. <i>Optics and Laser Technology</i> , 2021, 143, 107308.	4.6	8
3	Study of wide temperature range and hard protective La <sub>2</sub> O <sub>3</sub> doped cermet based single-layer solar selective absorbing coating by laser cladding. <i>Surfaces and Interfaces</i> , 2021, 27, 101544.	3.0	0
4	Thermostability and weatherability of TiN/TiC-Ni/Mo solar absorption coating by spray method-laser cladding hybrid deposition. <i>Optics and Lasers in Engineering</i> , 2020, 127, 105983.	3.8	12
5	Thermal stability and Weatherability of Single-Layer Micron Scale Cermet's Solar Selective Absorbing Coatings by Laser Cladding. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, N119-N124.	1.8	1
6	Thermal stability and optical properties of single-layer nano-composite TiN/TiC-Ni/Mo solar-selective-absorbing coatings by laser cladding. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	2
7	Study of Electrical Properties and Luminescence of Conventional Furnace and Microwave-Sintered Er <sup>3+</sup> /Yb <sup>3+</sup> Co-doped (K, Na)NbO <sub>3</sub> Ceramics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 9-14.	3.7	0
8	Effect of epoxy resin sealing on corrosion resistance of arc spraying aluminium coating using cathode electrophoresis method. <i>Materials Research Express</i> , 2018, 5, 016527.	1.6	10
9	High-Temperature Tolerance in Multi-Scale Cermet Solar-Selective Absorbing Coatings Prepared by Laser Cladding. <i>Materials</i> , 2018, 11, 1037.	2.9	10
10	Annealing behavior of aluminum coating prepared by arc spraying on P355NL1 steel. <i>Surface and Coatings Technology</i> , 2017, 330, 53-60.	4.8	16
11	High temperature solar selective absorber coating deposited by laser cladding. <i>Materials Research Express</i> , 2017, 4, 095503.	1.6	4
12	Improved piezoelectricity and luminescence of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped (K, Na)NbO <sub>3</sub> ceramics. <i>Journal of Materials Research</i> , 2017, 32, 1010-1018.	0.6	8
13	Effect of the new type metal electrode on the properties of ferroelectric ceramic. <i>Ferroelectrics</i> , 2016, 505, 90-101.	0.6	1
14	The effects of intergranular sliding on the fracture toughness of nanocrystalline materials with finest grains. <i>Journal of Materials Research</i> , 2014, 29, 1086-1094.	2.6	3
15	Constitutive modeling for strain rate-dependent behaviors of nanocrystalline materials based on dislocation density evolution and strain gradient. <i>Journal of Materials Research</i> , 2014, 29, 2982-2993.	2.6	1
16	Low-Temperature Sintering of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Piezoelectric Ceramics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 463-466.	3.7	3
17	Influence of sintering temperature on electrical properties of (K <sub>0.4425</sub> Na <sub>0.52</sub> Li <sub>0.0375</sub> )(Nb <sub>0.8825</sub> Sb <sub>0.07</sub> Ta <sub>0.0475</sub> )O <sub>3</sub> ceramics without phase transition induced by sintering temperature. <i>Journal of Advanced Ceramics</i> , 2013, 2, 353-359.	17.4	10
18	Synthesis and Characterization of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Piezoelectric Ceramics Prepared Using K <sub>5.70</sub> Li <sub>4.07</sub> Nb <sub>10.23</sub> O <sub>30</sub> as a New Sintering Aid. <i>Ferroelectrics</i> , 2012, 432, 73-80.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Tantalum influence on electrical properties of lead-free $(K_{0.4425}Na_{0.52}Li_{0.0375})(Nb_{0.93}Ta_xSb_{0.07})O_3$ piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 846-850.	2.2	13
20	Effect of ZnO on the microstructure and electrical properties of $(K_{0.5}Na_{0.5})NbO_3$ lead-free piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 1083-1086.	2.2	25
21	Effects of the Calcining Temperature on the Piezoelectric and Dielectric Properties of 0.55PNN-0.45PZT Ceramics. Ferroelectrics, 2011, 425, 90-97.	0.6	10
22	Influence of sintering temperature on piezoelectric properties of $(K_{0.4425}Na_{0.52}Li_{0.0375})(Nb_{0.8925}Sb_{0.07}Ta_{0.0375})O_3$ lead-free piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 1783-1787.	2.2	18