

# Fa Luo

## List of Publications by Year in descending order

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33  
papers

1,111  
citations

471509

17  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium carbide (MXene) nanosheets as promising microwave absorbers. <i>Ceramics International</i> , 2016, 42, 16412-16416.	4.8	316
2	Enhanced microwave absorption of multi-walled carbon nanotubes/epoxy composites incorporated with ceramic particles. <i>Composites Science and Technology</i> , 2014, 102, 161-168.	7.8	83
3	Temperature-dependent dielectric and microwave absorption properties of SiC /SiCâ€“Al <sub>2</sub> O <sub>3</sub> composites modified by thermal cross-linking procedure. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2991-3003.	5.7	82
4	High-temperature dielectric and electromagnetic interference shielding properties of SiCf/SiC composites using Ti <sub>3</sub> SiC <sub>2</sub> as inert filler. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 77, 195-203.	7.6	75
5	Nitrogen-doped graphene and titanium carbide nanosheet synergistically reinforced epoxy composites as high-performance microwave absorbers. <i>RSC Advances</i> , 2017, 7, 27755-27761.	3.6	70
6	Greatly enhanced microwave absorption properties of highly oriented flake carbonyl iron/epoxy resin composites under applied magnetic field. <i>Journal of Materials Science</i> , 2017, 52, 2373-2383.	3.7	52
7	Dip-coating of boron nitride interphase and its effects on mechanical properties of SiCf/SiC composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 543, 1-5.	5.6	39
8	Novel MagnÃ©li Ti <sub>4</sub> O <sub>7</sub> /Ni/poly(vinylidene fluoride) hybrids for high-performance electromagnetic wave absorption. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1027-1038.	21.1	36
9	Improved mechanical and microwave absorption properties of SiC fiber/mullite matrix composite using hybrid SiC/Ti <sub>3</sub> SiC <sub>2</sub> fillers. <i>Journal of Alloys and Compounds</i> , 2019, 791, 51-59.	5.5	30
10	Mechanical, Dielectric, and Microwave-Absorption Properties of Alumina Ceramic Containing Dispersed Ti <sub>3</sub> SiC <sub>2</sub> . <i>Journal of Electronic Materials</i> , 2015, 44, 867-873.	2.2	28
11	Enhanced Microwave Absorption Properties of Oriented Carbonyl Iron/Carbon Black Composite Induced by Shear Force. <i>Journal of Electronic Materials</i> , 2017, 46, 4903-4911.	2.2	26
12	Temperature dependence of dielectric properties of SiCf/PyC/SiC composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 195, 12-19.	3.5	23
13	Aligned Fe microfiber reinforced epoxy composites with tunable electromagnetic properties and improved microwave absorption. <i>Journal of Materials Science</i> , 2019, 54, 4671-4679.	3.7	23
14	Balancing Between Polarization and Conduction Loss toward Strong Electromagnetic Wave Absorption of Hard Carbon Particles with Morphology Heterogeneity. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19836-19846.	8.0	22
15	Improvement dielectric and microwave properties of SiC f /SiC-AlPO <sub>4</sub> composites prepared by precursor infiltration and pyrolysis process. <i>Journal of Alloys and Compounds</i> , 2017, 699, 498-504.	5.5	21
16	Enhanced microwave absorption of plasma-sprayed Ti <sub>3</sub> SiC <sub>2</sub> /glass composite coatings. <i>Journal of Materials Science</i> , 2017, 52, 832-842.	3.7	21
17	Influence of different matrices on the mechanical and microwave absorption properties of SiC fiber-reinforced oxide matrix composites. <i>Ceramics International</i> , 2018, 44, 6010-6015.	4.8	18
18	Temperature-dependent dielectric and microwave absorption properties of silicon carbide fiber-reinforced oxide matrices composite. <i>Journal of Materials Science</i> , 2018, 53, 15465-15473.	3.7	18

#	ARTICLE	IF	CITATIONS
19	Dielectric and Microwave Absorption Properties of TiC-Al <sub>2</sub> O <sub>3</sub> /Silica Coatings at High Temperature. Journal of Electronic Materials, 2017, 46, 5225-5231.	2.2	16
20	Fabrication of SiCf/SiC-mullite composite with improved pretreatment condition via precursor infiltration-sintering combined with infiltration-pyrolysis process. Ceramics International, 2019, 45, 16062-16069.	4.8	15
21	Dielectric and Mechanical Properties of Hot-Pressed Sintered C <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> Ceramic Composites. International Journal of Applied Ceramic Technology, 2012, 9, 413-420.	2.1	14
22	Single-Layer and Double-Layer Microwave Absorbers Based on Graphene Nanosheets/Epoxy Resin Composite. Nano, 2017, 12, 1750089.	1.0	13
23	CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> particles and MWCNT-filled microwave absorber with improved microwave absorption by FSS incorporation. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
24	Flexible thin microwave absorbing patch: flake carbonyl iron and chopped carbon fibers oriented in resin matrix. Journal of Materials Science: Materials in Electronics, 2020, 31, 1442-1450.	2.2	11
25	Mechanical and dielectric properties of short-carbon-fibers/epoxy-modified-organic-silicone-resin as heat-resistant microwave absorbing coatings. Journal of Applied Polymer Science, 2013, 130, 1392-1398.	2.6	10
26	Effect of Temperature on Microwave-Absorption Property of Plasma-Sprayed Ti <sub>3</sub> SiC <sub>2</sub> /NASICON Coating. Journal of Electronic Materials, 2019, 48, 1506-1510.	2.2	9
27	Enhanced dielectric and microwave absorption properties of Y <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> ceramics by Sr doping. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	7
28	Substrate temperature effects on infrared emissivity of TiN <sub>x</sub> films. Surface Engineering, 2019, 35, 9-13.	2.2	7
29	Effect of SiC interphase on the mechanical, high-temperature dielectric and high-temperature microwave absorption properties of the SiCf/SiC/Mu composites. Ceramics International, 2022, 48, 18567-18578.	4.8	7
30	Study on the electromagnetic interference shielding effectiveness of TiN film. Journal of Materials Science: Materials in Electronics, 2018, 29, 9052-9057.	2.2	6
31	Effect of N <sub>2</sub> flow rate on electromagnetic interference shielding effectiveness of TiN <sub>x</sub> films. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	2
32	Influence of the coupling agent on the mechanical properties of SiC <sub>f</sub> /poly(phenylene) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	2.6	0
33	Study on effect of doping content on the microstructure, dielectric and microwave absorption properties of x-NiO/CaMn <sub>1-x</sub> O <sub>3</sub> . Journal of Materials Science: Materials in Electronics, 2021, 32, 14874.	2.2	0