Xue-Jin Yang

List of Publications by Year
in descending order

39	1,019	394421	434195
papers	citations	19 h-index	31 g-index

39	39	39	974
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dense additive-free bulk boron nitride ceramics developed by self-densification of borazine. Journal of the European Ceramic Society, 2022, 42, 2640-2650.	5.7	2
2	Microstructure and mechanical properties of Si3N4f/BN composites with BN interphase prepared by chemical vapor deposition of borazine. Journal of the European Ceramic Society, 2020, 40, 1139-1148.	5.7	10
3	Sintering temperature dependent micro and macro mechanical properties of Si3N4f/SiO2 composite materials. Ceramics International, 2019, 45, 21931-21940.	4.8	7
4	Fabrication and oxidation resistance of silicon nitride fiber reinforced silica matrix wave-transparent composites. Journal of Materials Science and Technology, 2019, 35, 2761-2766.	10.7	11
5	Preparation and interface modification of Si3N4f/SiO2 composites. Journal of Materials Science and Technology, 2019, 35, 2767-2771.	10.7	6
6	Mechanical properties and interfacial characteristics of 2.5D SiNOf/BN wave-transparent composites. Journal of the European Ceramic Society, 2019, 39, 3013-3022.	5.7	12
7	High-temperature properties and interface evolution of silicon nitride fiber reinforced silica matrix wave-transparent composite materials. Journal of the European Ceramic Society, 2019, 39, 240-248.	5.7	43
8	KD-S SiCf/SiC composites with BN interface fabricated by polymer infiltration and pyrolysis process. Journal of Advanced Ceramics, 2018, 7, 169-177.	17.4	43
9	Fabrication and properties of in situ silicon nitride nanowires reinforced porous silicon nitride (SNNWs/SN) composites. Journal of the European Ceramic Society, 2018, 38, 2671-2675.	5.7	20
10	On the mechanical, thermophysical and dielectric properties of Nextelâ„¢ 440 fiber reinforced nitride matrix (N440/Nitride) composites. Ceramics International, 2018, 44, 6137-6143.	4.8	7
11	Effect of SNNWS content on the microstructure and properties of SNNWS/Si-C-N ceramic composites via PIP. Ceramics International, 2018, 44, 5102-5108.	4.8	7
12	Micromorphology and structure of pyrolytic boron nitride synthesized by chemical vapor deposition from borazine. Ceramics International, 2018, 44, 11424-11430.	4.8	5
13	Effect of high-temperature annealing in air and N2 atmosphere on the mechanical properties of Si3N4 fibers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 724, 502-508.	5.6	19
14	Ablation behavior and mechanism of SiO2f/SiO2, SiO2f/BN and Si3N4f/BN radar wave transparent composites. Corrosion Science, 2018, 139, 243-254.	6.6	25
15	Chemical vapor deposition of pyrolytic boron nitride ceramics from single source precursor. Ceramics International, 2017, 43, 10020-10025.	4.8	10
16	Fabrication and properties of porous silicon nitride wave-transparent ceramics via gel-casting and pressureless sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 663, 174-180.	5.6	57
17	Design and fabrication of porous Si3N4-Si2N2O in situ composite ceramics with improved toughness. Materials and Design, 2016, 110, 375-381.	7.0	29
18	Structural Evolution of Silicon Oxynitride Fiber Reinforced Boron Nitride Matrix Composite at High Temperatures. Journal of Materials Engineering and Performance, 2016, 25, 487-492.	2.5	4

#	Article	IF	Citations
19	Fabrication and high-temperature mechanical properties of 2.5DSi3N4f/BN fiber-reinforced ceramic matrix composite. Materials and Design, 2016, 92, 335-344.	7.0	28
20	Ultralight boron nitride aerogels via template-assisted chemical vapor deposition. Scientific Reports, 2015, 5, 10337.	3.3	88
21	Ablation behavior of boron nitride based ceramic composites reinforced by continuous silicon oxynitride fiber. Ceramics International, 2015, 41, 4768-4774.	4.8	16
22	Fabrication and properties of graphene reinforced silicon nitride composite materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 90-95.	5.6	28
23	Fabrication and properties of borazine derived boron nitride matrix wave-transparent composites reinforced by 2.5 dimensional fabric of Siâ€“Nâ€“O fibers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 620, 420-427.	5.6	41
24	Borazine derived porous boron nitrideâ€“boron nitride composites fabricated by precursor infiltration and pyrolysis. Ceramics International, 2014, 40, 9235-9240.	4.8	4
25	Synthesis and characterization of nanostructured silicon carbide crystal whiskers by solâ€“gel process and carbothermal reduction. Ceramics International, 2014, 40, 12613-12616.	4.8	36
26	Fabrication and properties of borazine derived boron nitride bonded porous silicon aluminum oxynitride wave-transparent composite. Journal of the European Ceramic Society, 2014, 34, 3591-3595.	5.7	38
27	Synthesis of Porous Silicon Nitride-Boron Nitride Composites by Gel-Casting and PIP. Journal of Materials Engineering and Performance, 2014, 23, 2829-2833.	2.5	10
28	Microstructure and properties of porous silicon nitride ceramics prepared by gel-casting and gas pressure sintering. Materials & Design, 2013, 44, 114-118.	5.1	96
29	Effect of Pyrolysis Temperature on Properties of Porous Si3N4-BN Composites Fabricated Via PIP Route. Journal of Materials Engineering and Performance, 2013, 22, 3684-3688.	2.5	9
30	Preparation and mechanical properties of unidirectional boron nitride fibre reinforced silica matrix composites. Materials & Design, 2012, 34, 401-405.	5.1	32
31	Preparation and properties of unidirectional boron nitride fibre reinforced boron nitride matrix composites via precursor infiltration and pyrolysis route. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 8169-8173.	5.6	33
32	Boron nitride coatings by chemical vapor deposition from borazine. Surface and Coatings Technology, 2011, 205, 3736-3741.	4.8	61
33	Preparation and characterization of boron nitride coatings on carbon fibers from borazine by chemical vapor deposition. Applied Surface Science, 2011, 257, 7752-7757.	6.1	76
34	An Improved Synthesis of Borazine with Aluminum Chloride as Catalyst. European Journal of Inorganic Chemistry, 2010, 2010, 1763-1766.	2.0	34
35	Effect of Pyrolysis Temperature on the Properties of Three-Dimensional Silica Fiber Reinforced Nitride Matrix Composites. Journal of Materials Engineering and Performance, 2008, 17, 111-114.	2.5	25
36	Crystallization behaviors of carbon fiber reinforced BN-Si3N4 matrix composite. Crystal Research and Technology, 2007, 42, 648-651.	1.3	6

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37	Effects of fiber surface treatments on mechanical properties of T700 carbon fiber reinforced BNâ€“Si3N4 composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 471, 169-173.	5.6	27
38	Preparation of Silicon Carbide Coatings from Liquid Carbosilanes by Chemical Vapor Deposition. Journal of Materials Engineering and Performance, 2007, 16, 775-778.	2.5	10
39	Preparation of nanosized silicon carbide powders by chemical vapor deposition at low temperatures. Frontiers of Materials Science in China, 2007, 1, 309-311.	0.5	4