

Xue-Jin Yang

List of Publications by Year in descending order

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39
papers

1,019
citations

394421

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docs citations

39
times ranked

974
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and properties of porous silicon nitride ceramics prepared by gel-casting and gas pressure sintering. <i>Materials & Design</i> , 2013, 44, 114-118.	5.1	96
2	Ultralight boron nitride aerogels via template-assisted chemical vapor deposition. <i>Scientific Reports</i> , 2015, 5, 10337.	3.3	88
3	Preparation and characterization of boron nitride coatings on carbon fibers from borazine by chemical vapor deposition. <i>Applied Surface Science</i> , 2011, 257, 7752-7757.	6.1	76
4	Boron nitride coatings by chemical vapor deposition from borazine. <i>Surface and Coatings Technology</i> , 2011, 205, 3736-3741.	4.8	61
5	Fabrication and properties of porous silicon nitride wave-transparent ceramics via gel-casting and pressureless sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 663, 174-180.	5.6	57
6	KD-S SiCf/SiC composites with BN interface fabricated by polymer infiltration and pyrolysis process. <i>Journal of Advanced Ceramics</i> , 2018, 7, 169-177.	17.4	43
7	High-temperature properties and interface evolution of silicon nitride fiber reinforced silica matrix wave-transparent composite materials. <i>Journal of the European Ceramic Society</i> , 2019, 39, 240-248.	5.7	43
8	Fabrication and properties of borazine derived boron nitride matrix wave-transparent composites reinforced by 2.5 dimensional fabric of Si-N-O fibers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 620, 420-427.	5.6	41
9	Fabrication and properties of borazine derived boron nitride bonded porous silicon aluminum oxynitride wave-transparent composite. <i>Journal of the European Ceramic Society</i> , 2014, 34, 3591-3595.	5.7	38
10	Synthesis and characterization of nanostructured silicon carbide crystal whiskers by sol-gel process and carbothermal reduction. <i>Ceramics International</i> , 2014, 40, 12613-12616.	4.8	36
11	An Improved Synthesis of Borazine with Aluminum Chloride as Catalyst. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1763-1766.	2.0	34
12	Preparation and properties of unidirectional boron nitride fibre reinforced boron nitride matrix composites via precursor infiltration and pyrolysis route. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 8169-8173.	5.6	33
13	Preparation and mechanical properties of unidirectional boron nitride fibre reinforced silica matrix composites. <i>Materials & Design</i> , 2012, 34, 401-405.	5.1	32
14	Design and fabrication of porous Si ₃ N ₄ -Si ₂ N ₂ O in situ composite ceramics with improved toughness. <i>Materials and Design</i> , 2016, 110, 375-381.	7.0	29
15	Fabrication and properties of graphene reinforced silicon nitride composite materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 90-95.	5.6	28
16	Fabrication and high-temperature mechanical properties of 2.5DSi ₃ N ₄ f/BN fiber-reinforced ceramic matrix composite. <i>Materials and Design</i> , 2016, 92, 335-344.	7.0	28
17	Effects of fiber surface treatments on mechanical properties of T700 carbon fiber reinforced BN-Si ₃ N ₄ composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 471, 169-173.	5.6	27
18	Effect of Pyrolysis Temperature on the Properties of Three-Dimensional Silica Fiber Reinforced Nitride Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2008, 17, 111-114.	2.5	25

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19	Ablation behavior and mechanism of SiO ₂ /SiO ₂ , SiO ₂ /BN and Si ₃ N ₄ /BN radar wave transparent composites. <i>Corrosion Science</i> , 2018, 139, 243-254.	6.6	25
20	Fabrication and properties of in situ silicon nitride nanowires reinforced porous silicon nitride (SNNWs/SN) composites. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2671-2675.	5.7	20
21	Effect of high-temperature annealing in air and N ₂ atmosphere on the mechanical properties of Si ₃ N ₄ fibers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 724, 502-508.	5.6	19
22	Ablation behavior of boron nitride based ceramic composites reinforced by continuous silicon oxynitride fiber. <i>Ceramics International</i> , 2015, 41, 4768-4774.	4.8	16
23	Mechanical properties and interfacial characteristics of 2.5D SiNO _f /BN wave-transparent composites. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3013-3022.	5.7	12
24	Fabrication and oxidation resistance of silicon nitride fiber reinforced silica matrix wave-transparent composites. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2761-2766.	10.7	11
25	Preparation of Silicon Carbide Coatings from Liquid Carbosilanes by Chemical Vapor Deposition. <i>Journal of Materials Engineering and Performance</i> , 2007, 16, 775-778.	2.5	10
26	Synthesis of Porous Silicon Nitride-Boron Nitride Composites by Gel-Casting and PIP. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2829-2833.	2.5	10
27	Chemical vapor deposition of pyrolytic boron nitride ceramics from single source precursor. <i>Ceramics International</i> , 2017, 43, 10020-10025.	4.8	10
28	Microstructure and mechanical properties of Si ₃ N ₄ /BN composites with BN interphase prepared by chemical vapor deposition of borazine. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1139-1148.	5.7	10
29	Effect of Pyrolysis Temperature on Properties of Porous Si ₃ N ₄ -BN Composites Fabricated Via PIP Route. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3684-3688.	2.5	9
30	On the mechanical, thermophysical and dielectric properties of Nextel [®] , 440 fiber reinforced nitride matrix (N440/Nitride) composites. <i>Ceramics International</i> , 2018, 44, 6137-6143.	4.8	7
31	Effect of SNNWS content on the microstructure and properties of SNNWS/Si-C-N ceramic composites via PIP. <i>Ceramics International</i> , 2018, 44, 5102-5108.	4.8	7
32	Sintering temperature dependent micro and macro mechanical properties of Si ₃ N ₄ /SiO ₂ composite materials. <i>Ceramics International</i> , 2019, 45, 21931-21940.	4.8	7
33	Crystallization behaviors of carbon fiber reinforced BN-Si ₃ N ₄ matrix composite. <i>Crystal Research and Technology</i> , 2007, 42, 648-651.	1.3	6
34	Preparation and interface modification of Si ₃ N ₄ /SiO ₂ composites. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2767-2771.	10.7	6
35	Micromorphology and structure of pyrolytic boron nitride synthesized by chemical vapor deposition from borazine. <i>Ceramics International</i> , 2018, 44, 11424-11430.	4.8	5
36	Preparation of nanosized silicon carbide powders by chemical vapor deposition at low temperatures. <i>Frontiers of Materials Science in China</i> , 2007, 1, 309-311.	0.5	4

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37	Borazine derived porous boron nitrideâ€”boron nitride composites fabricated by precursor infiltration and pyrolysis. <i>Ceramics International</i> , 2014, 40, 9235-9240.	4.8	4
38	Structural Evolution of Silicon Oxynitride Fiber Reinforced Boron Nitride Matrix Composite at High Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 487-492.	2.5	4
39	Dense additive-free bulk boron nitride ceramics developed by self-densification of borazine. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2640-2650.	5.7	2