De-Chang Jia

List of Publications by Year
in descending order

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181	5,542	76326	114465
papers	citations	40 h-index	63 g-index

183	183	183	3795
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Principles, design, structure and properties of ceramics for microwave absorption or transmission at high-temperatures. International Materials Reviews, 2022, 67, 266-297.	19.3	54
2	Co-growing design of super-repellent dual-layer coating for multiple heat dissipation improvement. Chemical Engineering Journal, 2022, 427, 131701.	12.7	14
3	Hardness and toughness improvement of SiCâ€based ceramics with the addition of (Hf_{0.2}Mo_{0.2}Ta_{0.2}Nb_{0.2}Ti_{0.2})B₂. Journal of the American Ceramic Society, 2022, 105, 1629-1634.	3.8	7
4	Moâ€“SiBCN metal-ceramic composites with enhanced and tunable thermophysical properties and thermal shock resistance. Ceramics International, 2022, 48, 5744-5751.	4.8	2
5	Atomistic insight into the structure and diffusion properties of pollucite glass-ceramics. Ceramics International, 2022, 48, 11134-11144.	4.8	4
6	Mechanical and thermal shock properties of C_f/SiBCN composite: Effect of sintering densification and fiber coating. Journal of the American Ceramic Society, 2022, 105, 4321-4335.	3.8	6
7	Influence of sintering temperature on the crystallization and mechanical properties of BNâ€MAS composites. Journal of the American Ceramic Society, 2022, 105, 3590-3600.	3.8	5
8	Growth of wafer-scale grapheneâ€“hexagonal boron nitride vertical heterostructures with clear interfaces for obtaining atomically thin electrical analogs. Nanoscale, 2022, 14, 4204-4215.	5.6	6
9	3D Printing Graphene Oxide Soft Robotics. ACS Nano, 2022, 16, 3664-3673.	14.6	23
10	One-step fabrication of double-layer nanocomposite coating by plasma electrolytic oxidation with particle addition. Applied Surface Science, 2022, 592, 153043.	6.1	19
11	Engineering the Optoelectronic Properties of 2D Hexagonal Boron Nitride Monolayer Films by Sulfur Substitutional Doping. ACS Applied Materials & Interfaces, 2022, 14, 16453-16461.	8.0	10
12	Mechanical alloying derived SiBCN-Ta4HfC5 composite ceramics: study on amorphous transformation mechanism. Journal of Non-Crystalline Solids, 2022, 585, 121543.	3.1	4
13	Transparent and Highâ€Absoluteâ€Effectiveness Electromagnetic Interference Shielding Film Based on Singleâ€Crystal Graphene. Advanced Materials Technologies, 2022, 7, .	5.8	8
14	The new complex highâ€entropy metal boron carbonitride: Microstructure and mechanical properties. Journal of the American Ceramic Society, 2022, 105, 6417-6426.	3.8	3
15	A strategy for fabricating anisotropic SI 3 N 4 ceramics with controllable mechanical and thermal properties. International Journal of Applied Ceramic Technology, 2021, 18, 40-50.	2.1	0
16	Electrospinning of pure polymer-derived SiBCN nanofibers with high yield. Ceramics International, 2021, 47, 10958-10964.	4.8	11
17	Solvents adjusted pure phase CoCO3 as anodes for high cycle stability. Journal of Advanced Ceramics, 2021, 10, 509-519.	17.4	22
18	Biologically Inspired Scalable-Manufactured Dual-layer Coating with a Hierarchical Micropattern for Highly Efficient Passive Radiative Cooling and Robust Superhydrophobicity. ACS Applied Materials & Interfaces, 2021, 13, 21888-21897.	8.0	41

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19	Hydrothermal transformation of geopolymers to bulk zeolite structures for efficient hazardous elements adsorption. Science of the Total Environment, 2021, 767, 144973.	8.0	29
20	Crystallinity dependence of high-temperature oxidation of silicoboron carbonitride monoliths. Corrosion Science, 2021, 187, 109473.	6.6	2
21	Synthesis of coatings on SiC fibers and their effects on microstructure and mechanical properties of SiC_f/SiBCN composites. Journal of the American Ceramic Society, 2021, 104, 6589-6600.	3.8	4
22	SiBCN-reduced graphene oxide (rGO) ceramic composites derived from single-source-precursor with enhanced and tunable microwave absorption performance. Carbon, 2021, 179, 180-189.	10.3	36
23	Polymer-Derived Lightweight SiBCN Ceramic Nanofibers with High Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2021, 13, 34889-34898.	8.0	48
24	On the formation mechanisms and properties of MAX phases: A review. Journal of the European Ceramic Society, 2021, 41, 3851-3878.	5.7	97
25	Enhanced ablation resistance of HfB2-HfC/SiBCN ceramics under an oxyacetylene torch environment. Corrosion Science, 2021, 187, 109509.	6.6	19
26	BCl3 modified tris(dichloromethylsilylethyl)borane as a precursor for SiBCN ceramics applied in lithium-ion battery anodes. Ceramics International, 2021, 47, 22839-22853.	4.8	7
27	A comparative study on high temperature oxidation behavior of SiC, SiC-BN and SiBCN monoliths. Corrosion Science, 2021, 192, 109855.	6.6	13
28	Direct ink writing of geopolymer with high spatial resolution and tunable mechanical properties. Additive Manufacturing, 2021, 46, 102202.	3.0	8
29	Preparation and characterization of Cf/Pollucite composites through geopolymer precursors. Ceramics International, 2021, 47, 31713-31723.	4.8	4
30	Porous geopolymer composites: A review. Composites Part A: Applied Science and Manufacturing, 2021, 150, 106629.	7.6	106
31	First-principles study of the anisotropic thermal expansion and thermal transport properties in h-BN. Science China Materials, 2021, 64, 953-963.	6.3	14
32	Low Optical Writing Energy Multibit Optoelectronic Memory Based on SnS₂/hâ€BN/Graphene Heterostructure. Small, 2021, 17, e2104459.	10.0	19
33	Dense amorphous Si2BC1-4N monoliths resistant to high-temperature oxidation for hypersonic vehicle. Corrosion Science, 2020, 163, 108231.	6.6	8
34	Immobilization behavior of Sr in geopolymer and its ceramic product. Journal of the American Ceramic Society, 2020, 103, 1372-1384.	3.8	24
35	Interplay between storage temperature, medium and leaching kinetics of hazardous wastes in Metakaolin-based geopolymer. Journal of Hazardous Materials, 2020, 384, 121377.	12.4	51
36	Incorporation of BN-coated carbon fibers into ZrB2/SiBCN ceramic composites and their ablation behavior. Journal of the European Ceramic Society, 2020, 40, 1078-1085.	5.7	25

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37	Intrinsic Dipole Coupling in 2D van der Waals Ferroelectrics for Gateâ€Controlled Switchable Rectifier. Advanced Electronic Materials, 2020, 6, 1900975.	5.1	27
38	B2O3-assisted low-temperature crystallization of pollucite structures and their potential applications in Cs+ immobilization. Journal of Nuclear Materials, 2020, 540, 152314.	2.7	21
39	Scalable-Manufactured Superhydrophobic Multilayer Nanocomposite Coating with Mechanochemical Robustness and High-Temperature Endurance. ACS Applied Materials & Interfaces, 2020, 12, 35502-35512.	8.0	39
40	Robust Inorganic Daytime Radiative Cooling Coating Based on a Phosphate Geopolymer. ACS Applied Materials & Interfaces, 2020, 12, 54963-54971.	8.0	53
41	Geopolymer and Geopolymer Matrix Composites. Springer Series in Materials Science, 2020, , .	0.6	2
42	Geopolymer-Encapsulated Cesium Lead Bromide Perovskite Nanocrystals for Potential Display Applications. ACS Applied Nano Materials, 2020, 3, 11695-11700.	5.0	6
43	Microstructural evolution and mechanical properties of in situ nano Ta4HfC5 reinforced SiBCN composite ceramics. Journal of Advanced Ceramics, 2020, 9, 739-748.	17.4	28
44	Direct ink writing of continuous SiO2 fiber reinforced wave-transparent ceramics. Journal of Advanced Ceramics, 2020, 9, 403-412.	17.4	48
45	Synthesis and mechanical properties of lightweight hybrid geopolymer foams reinforced with carbon nanotubes. International Journal of Applied Ceramic Technology, 2020, 17, 2335-2345.	2.1	12
46	Effects of Zr and chopped C fiber on microstructure and mechanical properties of SiBCN ceramics. Science China Technological Sciences, 2020, 63, 1520-1530.	4.0	7
47	A self-adjusting PTFE/TiO2 hydrophobic double-layer coating for corrosion resistance and electrical insulation. Chemical Engineering Journal, 2020, 402, 126116.	12.7	54
48	Fabrication of Si₂N₂O Ceramic Foam by Combination of Direct Ink Writing and Biological Foaming Techniques. Advanced Engineering Materials, 2020, 22, 1901541.	3.5	10
49	Synthesis mechanism of amorphous Si 2 BC 3 N powders: Structural evolution of 2Siâ€BNâ€3C mixtures during mechanical alloying. Journal of the American Ceramic Society, 2020, 103, 4189-4202.	3.8	3
50	From bulk to porous structures: Tailoring monoclinic SrAl₂Si₂O₈ ceramic by geopolymer precursor technique. Journal of the American Ceramic Society, 2020, 103, 4957-4968.	3.8	10
51	Short SiC Fiber and Hybrid SiC/Carbon Fiber Reinforced Geopolymer Matrix Composites. Springer Series in Materials Science, 2020, , 243-270.	0.6	0
52	Geopolymerization Mechanism of Geopolymers. Springer Series in Materials Science, 2020, , 35-80.	0.6	1
53	Geopolymers and Their Matrix Composites: A State-of-the-Art Review. Springer Series in Materials Science, 2020, , 7-34.	0.6	1
54	Particles-Reinforced Geopolymer Matrix Composites. Springer Series in Materials Science, 2020, , 131-177.	0.6	0

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55	Continuous Fibers-Reinforced Geopolymer Matrix Composites. Springer Series in Materials Science, 2020, , 271-307.	0.6	0
56	Graphene-Reinforced Geopolymer Matrix Composites. Springer Series in Materials Science, 2020, , 81-129.	0.6	0
57	Short Carbon Fiber (Csf)-Reinforced Geopolymer Matrix Composites. Springer Series in Materials Science, 2020, , 179-241.	0.6	0
58	Preparation and anisotropic properties of textured structural ceramics: A review. Journal of Advanced Ceramics, 2019, 8, 289-332.	17.4	107
59	In situ ZrC/Si-B-C-N monoliths prepared by sol-gel and reactive hot-pressing: Processing, microstructure, mechanical properties and oxidation behavior. Journal of Alloys and Compounds, 2019, 811, 151687.	5.5	3
60	Effect of ball milling treatment on the microstructures and properties of Cr2AlC powders and hot pressed bulk ceramics. Journal of the European Ceramic Society, 2019, 39, 5140-5148.	5.7	9
61	Rapid Fabrication, Microstructure, and in Vitro and in Vivo Investigations of a High-Performance Multilayer Coating with External, Flexible, and Silicon-Doped Hydroxyapatite Nanorods on Titanium. ACS Biomaterials Science and Engineering, 2019, 5, 4244-4262.	5.2	10
62	Bi-fluctuation in Na_{0.5}Bi_{0.5}TiO₃ ferroelectric ceramics with abnormal relaxor behaviour. Philosophical Magazine, 2019, 99, 2661-2680.	1.6	2
63	Effects of TaC addition on microstructure and mechanical properties of SiBCN composite ceramics. Ceramics International, 2019, 45, 22138-22147.	4.8	9
64	Two-Dimensional van der Waals Materials with Aligned In-Plane Polarization and Large Piezoelectric Effect for Self-Powered Piezoelectric Sensors. Nano Letters, 2019, 19, 5410-5416.	9.1	132
65	Safe trapping of cesium into doping-enhanced pollucite structure by geopolymer precursor technique. Journal of Hazardous Materials, 2019, 367, 577-588.	12.4	43
66	Thermal properties and thermal shock resistance of BAS-BN composite ceramics. Ceramics International, 2019, 45, 8181-8187.	4.8	27
67	Anisotropic properties of textured h-BN matrix ceramics prepared using 3Y2O3-5Al2O3(-4MgO) as sintering additives. Journal of the European Ceramic Society, 2019, 39, 1788-1795.	5.7	14
68	A green and low-cost hollow gangue microsphere/geopolymer adsorbent for the effective removal of heavy metals from wastewaters. Journal of Environmental Management, 2019, 246, 174-183.	7.8	66
69	High-temperature oxidation resistance of dense amorphous boron-rich SiBCN monoliths. Corrosion Science, 2019, 157, 312-323.	6.6	19
70	Processing and mechanical performance of 3D Cf/SiCN composites prepared by polymer impregnation and pyrolysis. Ceramics International, 2019, 45, 17344-17353.	4.8	10
71	Green synthesis of high porosity waste gangue microsphere/geopolymer composite foams via hydrogen peroxide modification. Journal of Cleaner Production, 2019, 227, 483-494.	9.3	57
72	Enhanced mechanical properties and thermal shock resistance of Si2BC3N ceramics with SiC coated MWCNTs. Journal of Advanced Ceramics, 2019, 8, 121-132.	17.4	19

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73	Enhanced Strengths and Thermal Shock Resistance of SiC-BN-10 Vol% C_f Composites through ZrB₂ Addition. Transactions of the Indian Ceramic Society, 2019, 78, 204-211.	1.0	7
74	Monoclinic-celsian ceramics formation: Through thermal treatment of ion-exchanged 3D printing geopolymer precursor. Journal of the European Ceramic Society, 2019, 39, 563-573.	5.7	34
75	High voltage resistance ceramic coating fabricated on titanium alloy for insulation shielding application. Ceramics International, 2019, 45, 1909-1917.	4.8	11
76	Microstructure and thermal shock behavior of solâ€“gel introduced ZrB2 reinforced SiBCN matrix. Journal of Sol-Gel Science and Technology, 2018, 86, 365-373.	2.4	6
77	Microstructural evolution of amorphous Si 2 BC 3 N nanopowders upon heating at high temperatures: High pressures reverse the nucleation order of SiC and BN (C). Journal of the American Ceramic Society, 2018, 101, 4321-4330.	3.8	5
78	Boronâ€dependent microstructural evolution, thermal stability, and crystallization of mechanical alloying derived Si<scp>BCN</scp>. Journal of the American Ceramic Society, 2018, 101, 3205-3221.	3.8	14
79	Carbonâ€contentâ€dependent phase composition, microstructural evolution, and mechanical properties of Si<scp>BCN</scp> monoliths. Journal of the American Ceramic Society, 2018, 101, 2137-2154.	3.8	3
80	Crystallisation process of Bi5Ti3FeO15 multiferroic nanoparticles synthesised by a solâ€“gel method. Journal of Sol-Gel Science and Technology, 2018, 85, 132-139.	2.4	18
81	Carbon content-dependent microstructures, surface characteristics and thermal stability of mechanical alloying derived SiBCN powders. Ceramics International, 2018, 44, 3614-3624.	4.8	8
82	Enhanced thermal shock and oxidation resistance of Si2BC3N ceramics through MWCNTs incorporation. Journal of Advanced Ceramics, 2018, 7, 276-288.	17.4	8
83	Thermal shock resistance of the porous boron nitride/silicon oxynitride ceramic composites. International Journal of Applied Ceramic Technology, 2018, 15, 1358-1365.	2.1	7
84	The effect of applied voltages on the structure, apatite-inducing ability and antibacterial ability of micro arc oxidation coating formed on titanium surface. Bioactive Materials, 2018, 3, 426-433.	15.6	40
85	Metastable Si-B-C-N ceramics and their matrix composites developed by inorganic route based on mechanical alloying: Fabrication, microstructures, properties and their relevant basic scientific issues. Progress in Materials Science, 2018, 98, 1-67.	32.8	82
86	Synthesis of novel lowâ€cost porous gangue microsphere/geopolymer composites and their adsorption properties for dyes. International Journal of Applied Ceramic Technology, 2018, 15, 1602-1614.	2.1	29
87	Facile synthesis, microstructure and photophysical properties of core-shell nanostructured (SiCN)/BN nanocomposites. Scientific Reports, 2017, 7, 39866.	3.3	4
88	Densification, microstructural evolution and mechanical properties of Si-B-C-N monoliths with LaB6 addition. Journal of Alloys and Compounds, 2017, 696, 1090-1095.	5.5	13
89	Synthesis, piezoelectric property and domain behaviour of the vertically aligned K_{1â^'x}Na_xNbO₃ nanowire with a morphotropic phase boundary. Journal of Materials Chemistry C, 2017, 5, 747-753.	5.5	22
90	In situ processing of MWCNTs/leucite composites through geopolymer precursor. Journal of the European Ceramic Society, 2017, 37, 2219-2226.	5.7	41

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91	Effects of high-temperature heat treatment on the microstructure and mechanical performance of hybrid Cf-SiCf-(Al2O3p) reinforced geopolymer composites. Composites Part B: Engineering, 2017, 114, 289-298.	12.0	24
92	Effects of graphene oxide on the geopolymerization mechanism determined by quenching the reaction at intermediate states. RSC Advances, 2017, 7, 13498-13508.	3.6	19
93	3D printing strong and conductive geo-polymer nanocomposite structures modified by graphene oxide. Carbon, 2017, 117, 421-426.	10.3	154
94	Celsian formation from barium-exchanged geopolymer precursor: Thermal evolution. Journal of the European Ceramic Society, 2017, 37, 4179-4185.	5.7	25
95	Effects of boron addition on the high temperature oxidation resistance of dense sSiBCN monoliths at 1500 Â°C. Corrosion Science, 2017, 126, 10-25.	6.6	33
96	Novel geopolymer based composites reinforced with stainless steel mesh and chromium powder. Construction and Building Materials, 2017, 150, 89-94.	7.2	10
97	High-temperature oxidation behavior of dense SiBCN monoliths: Carbon-content dependent oxidation structure, kinetics and mechanisms. Corrosion Science, 2017, 124, 103-120.	6.6	30
98	Effects of Na⁺ substitution Cs⁺ on the microstructure and thermal expansion behavior of ceramic derived from geopolymer. Journal of the American Ceramic Society, 2017, 100, 4412-4424.	3.8	8
99	Effect of magnesium aluminum silicate glass on the thermal shock resistance of <scp>BN</scp> matrix composite ceramics. Journal of the American Ceramic Society, 2017, 100, 2669-2678.	3.8	15
100	Microarc oxidation coating covered Ti implants with micro-scale gouges formed by a multi-step treatment for improving osseointegration. Materials Science and Engineering C, 2017, 76, 908-917.	7.3	24
101	Mechanical, dielectric and thermal properties of porous boron nitride/silicon oxynitride ceramic composites prepared by pressureless sintering. Ceramics International, 2017, 43, 8230-8235.	4.8	39
102	Effect of the BN content on the thermal shock resistance and properties of BN/SiO₂ composites fabricated from mechanically alloyed SiBON powders. RSC Advances, 2017, 7, 48994-49003.	3.6	18
103	Mechanism of superior luminescent and high-efficiency photocatalytic properties of Eu-doped calcium aluminate by low-cost self-propagating combustion synthesis technique. Scientific Reports, 2017, 7, 2906.	3.3	11
104	Effects of graphite on the mechanical and microwave absorption properties of geopolymer based composites. Ceramics International, 2017, 43, 2325-2332.	4.8	33
105	Preparation and in-situ high-temperature mechanical properties of Cf-SiCf reinforced geopolymer composites. Ceramics International, 2017, 43, 549-555.	4.8	16
106	Synthesis of Novel Cobalt-Containing Polysilazane Nanofibers with Fluorescence by Electrospinning. Polymers, 2016, 8, 350.	4.5	8
107	Crystallization Behavior and Multiferroic Properties of Bi_{3.15}Nd_{0.85}Ti₃O₁₂/CoFe₂O₄ Powders Synthesized by Solâ€“Gel Method. Journal of the American Ceramic Society, 2016, 99, 2334-2340.	3.8	11
108	In-situ preparation of fully stabilized graphene/cubic-leucite composite through graphene oxide/geopolymer. Materials and Design, 2016, 101, 301-308.	7.0	19

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109	Effect of curing temperature and SiO2/K2O molar ratio on the performance of metakaolin-based geopolymers. Ceramics International, 2016, 42, 16184-16190.	4.8	78
110	Effects of treatment temperature on the reduction of GO under alkaline solution during the preparation of graphene/geopolymer composites. Ceramics International, 2016, 42, 18181-18188.	4.8	23
111	Effects of Li Substitution on the Microstructure and Thermal Expansion Behavior of Pollucite Derived from Geopolymer. Journal of the American Ceramic Society, 2016, 99, 3784-3791.	3.8	9
112	A novel in situ synthesis of SiBCN-Zr composites prepared by a solâ€“gel process and spark plasma sintering. Dalton Transactions, 2016, 45, 12739-12744.	3.3	9
113	Effects of in situ amorphous graphite coating on ablation resistance of SiC fiber reinforced SiBCN ceramics in an oxyacetylene flame. Corrosion Science, 2016, 113, 31-45.	6.6	32
114	Effects of Si/Al ratio on the structure and properties of metakaolin based geopolymer. Ceramics International, 2016, 42, 14416-14422.	4.8	240
115	Synthesis and structural evolution of dual-boron-source-modified polysilazane derived SiBCN ceramics. New Journal of Chemistry, 2016, 40, 7034-7042.	2.8	33
116	Structure evolution, amorphization and nucleation studies of carbon-lean to -rich SiBCN powder blends prepared by mechanical alloying. RSC Advances, 2016, 6, 48255-48271.	3.6	11
117	Crystallization kinetics and microstructure evolution of reduced graphene oxide/geopolymer composites. Journal of the European Ceramic Society, 2016, 36, 2601-2609.	5.7	24
118	Microstructure and erosion resistance of in-situ SiAlON reinforced BN-SiO2 composite ceramics. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 315-320.	1.0	7
119	SiC fiber reinforced geopolymer composites, part 2: Continuous SiC fiber. Ceramics International, 2016, 42, 12239-12245.	4.8	33
120	In Situ Processing of Graphene/Leucite Nanocomposite Through Graphene Oxide/Geopolymer. Journal of the American Ceramic Society, 2016, 99, 1164-1173.	3.8	27
121	Influence of sintering pressure on the crystallization and mechanical properties of BN-MAS composite ceramics. Journal of Materials Science, 2016, 51, 2292-2298.	3.7	20
122	Effect of fiber content on the microstructure and mechanical properties of carbon fiber felt reinforced geopolymer composites. Ceramics International, 2016, 42, 7837-7843.	4.8	63
123	SiC fiber reinforced geopolymer composites, part 1: Short SiC fiber. Ceramics International, 2016, 42, 5345-5352.	4.8	43
124	Microstructure, oxidation and thermal shock resistance of graphene reinforced SiBCN ceramics. Ceramics International, 2016, 42, 4429-4444.	4.8	32
125	Effect of reduced graphene oxide content on the microstructure and mechanical properties of grapheneâ€“geopolymer nanocomposites. Ceramics International, 2016, 42, 752-758.	4.8	57
126	Highly Dense Amorphous Si₂BC₃N Monoliths with Excellent Mechanical Properties Prepared by High Pressure Sintering. Journal of the American Ceramic Society, 2015, 98, 3782-3787.	3.8	24

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127	Crystallization Behavior of Amorphous Si₂BC₃N Ceramic Monolith Subjected to High Pressure. Journal of the American Ceramic Society, 2015, 98, 3788-3796.	3.8	16
128	In situ fabrication and characterization of graphene/geopolymer composites. Ceramics International, 2015, 41, 11242-11250.	4.8	65
129	Synthesis of high-purity, isotropic or textured Cr 2 AlC bulk ceramics by spark plasma sintering of pressure-less sintered powders. Journal of the European Ceramic Society, 2015, 35, 1393-1400.	5.7	64
130	Microstructure and mechanical properties of SiCf/SiBCN ceramic matrix composites. Journal of Advanced Ceramics, 2015, 4, 31-38.	17.4	28
131	The effect of NaOH concentration on the steam-hydrothermally treated bioactive microarc oxidation coatings containing Ca, P, Si and Na on pure Ti surface. Materials Science and Engineering C, 2015, 49, 669-680.	7.3	17
132	Titania nanotube/nano-brushite composited bioactive coating with micro/nanotopography on titanium formed by anodic oxidation and hydrothermal treatment. Ceramics International, 2015, 41, 13115-13125.	4.8	12
133	Ablation behavior of graphene reinforced SiBCN ceramics in an oxyacetylene combustion flame. Corrosion Science, 2015, 100, 85-100.	6.6	40
134	Microstructures, mechanical properties and oxidation resistance of SiBCN ceramics with the addition of MgO, ZrO₂ and SiO₂ (MZS) as sintering additives. RSC Advances, 2015, 5, 52194-52205.	3.6	14
135	Synergistic Effects of Surface Chemistry and Topologic Structure from Modified Microarc Oxidation Coatings on Ti Implants for Improving Osseointegration. ACS Applied Materials & Interfaces, 2015, 7, 8932-8941.	8.0	74
136	Ablation behavior and mechanism of SiCf/Cf/SiBCN ceramic composites with improved thermal shock resistance under oxyacetylene combustion flow. Ceramics International, 2015, 41, 8868-8877.	4.8	47
137	H₂Ti₅O₁₁Â·H₂O nanorod arrays formed on a Ti surface via a hybrid technique of microarc oxidation and chemical treatment. CrystEngComm, 2015, 17, 2705-2717.	2.6	9
138	Preparation, microstructures, mechanical properties and oxidation resistance of SiBCN/ZrB2â€“ZrN ceramics by reactive hot pressing. Journal of the European Ceramic Society, 2015, 35, 4399-4410.	5.7	38
139	Dense, pure SiC monoliths with excellent oxidation resistance sintered at low temperatures and high pressures. Ceramics International, 2015, 41, 15227-15230.	4.8	6
140	Conformal coating containing Ca, P, Si and Na with double-level porous surface structure on titanium formed by a three-step microarc oxidation. RSC Advances, 2015, 5, 28908-28920.	3.6	16
141	A facile approach to construct BiOI/Bi₅O₇I composites with heterostructures: efficient charge separation and enhanced photocatalytic activity. RSC Advances, 2015, 5, 74174-74179.	3.6	38
142	Progress of a novel amorphous and nanostructured Si-B-C-N ceramic and its matrix composites prepared by an inorganic processing route. Chinese Science Bulletin, 2015, 60, 236-245.	0.7	11
143	MC3T3-E1 cell response of amorphous phase/TiO2 nanocrystal composite coating prepared by microarc oxidation on titanium. Materials Science and Engineering C, 2014, 39, 186-195.	7.3	23
144	Ablation mechanism and properties of SiCf/SiBCN ceramic composites under an oxyacetylene torch environment. Corrosion Science, 2014, 82, 101-107.	6.6	49

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145	Influence of ball milling parameters on the structure of the mechanically alloyed SiBCN powder. Ceramics International, 2013, 39, 1963-1969.	4.8	27
146	Low-temperature sintered pollucite ceramic from geopolymer precursor using synthetic metakaolin. Journal of Materials Science, 2013, 48, 1812-1818.	3.7	39
147	Effect of BN content on microstructures, mechanical and dielectric properties of porous BN/Si3N4 composite ceramics prepared by gel casting. Ceramics International, 2013, 39, 4231-4237.	4.8	64
148	Interface evolution of the Cf/leucite composites derived from Cf/geopolymer composites. Ceramics International, 2013, 39, 1203-1208.	4.8	12
149	Microstructure and integrity of leucite ceramic derived from potassium-based geopolymer precursor. Journal of the European Ceramic Society, 2013, 33, 689-698.	5.7	64
150	Crystallization and microstructural evolution process from the mechanically alloyed amorphous SiBCN powder to the hot-pressed nano SiC/BN(C) ceramic. Journal of Materials Science, 2012, 47, 7291-7304.	3.7	28
151	Progress of a novel non-oxide Si-B-C-N ceramic and its matrix composites. Journal of Advanced Ceramics, 2012, 1, 157-178.	17.4	81
152	Microstructural features and properties of the nano-crystalline SiC/BN(C) composite ceramic prepared from the mechanically alloyed SiBCN powder. Journal of Alloys and Compounds, 2012, 537, 346-356.	5.5	53
153	Diffusion bonding of ZrB2â€“SiC/Nb with in situ synthesized TiB whiskers array. Journal of the European Ceramic Society, 2012, 32, 4447-4454.	5.7	43
154	Physical and surface characteristics of the mechanically alloyed SiBCN powder. Ceramics International, 2012, 38, 6399-6404.	4.8	35
155	Influence of residual stress on magnetoelectric coupling of bilayered CoFe2O4/PMNâ€“PT thin films. Journal of Materials Chemistry, 2011, 21, 10738.	6.7	14
156	Thermal evolution and crystallization kinetics of potassium-based geopolymer. Ceramics International, 2011, 37, 59-63.	4.8	81
157	Microstructural and mechanical characterization of fly ash cenosphere/metakaolin-based geopolymeric composites. Ceramics International, 2011, 37, 1661-1666.	4.8	88
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