

# Caihong

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

341  
citations

840776

11  
h-index

839539

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple fabrication of micro/nano-porous SiOC foam from polysiloxane. <i>Journal of Materials Chemistry</i> , 2012, 22, 6542.	6.7	47
2	Synthesis and characterization of a new liquid polymer precursor for Siâ€“Bâ€“Câ€“N ceramics. <i>Journal of Materials Science</i> , 2011, 46, 5940-5947.	3.7	46
3	Dendritic AIE-active luminogens with a POSS core: synthesis, characterization, and application as chemosensors. <i>RSC Advances</i> , 2015, 5, 97224-97230.	3.6	35
4	POSS-based organicâ€“inorganic hybrid nanomaterials: aggregation-enhanced emission, and highly sensitive and selective detection of nitroaromatic explosives in aqueous media. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5578-5583.	5.5	35
5	Liquid polycarbosilanes: synthesis and evaluation as precursors for <sc>SiC</sc> ceramic. <i>Polymer International</i> , 2015, 64, 979-985.	3.1	28
6	Growth mechanism of Ti3SiC2 single crystals by in-situ reaction of polycarbosilane and metal titanium with CaF2 additive. <i>Journal of Crystal Growth</i> , 2008, 310, 3372-3375.	1.5	21
7	Synthesis, characterization, and properties of novel phenylene-silazane-acetylene polymers. <i>Polymer</i> , 2010, 51, 5970-5976.	3.8	16
8	Synthesis of structured polysiloxazanes <i>via</i> a Piersâ€“Rubinsztajn reaction. <i>Chemical Communications</i> , 2019, 55, 14019-14022.	4.1	14
9	Synthesis of iron-containing polysilazane and its antioxidation effect on silicone oil and rubber. <i>Journal of Applied Polymer Science</i> , 2003, 90, 306-309.	2.6	13
10	Pyrolysis kinetics and pathway of polysiloxane conversion to an amorphous SiOC ceramic. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 55-62.	3.6	13
11	Synthesis, Photophysical Properties, and Selfâ€“Organization of Difurobenzosilole Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1880-1885.	2.0	12
12	Synthesis and pyrolysis of polysilazane precursors containing linear-cyclic structures for Si/N/C-based ceramics. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2827-2831.	2.6	9
13	Novel AIE luminogen containing axially chiral BINOL and tetraphenylsilole. <i>Journal of Organometallic Chemistry</i> , 2016, 801, 96-100.	1.8	9
14	Synthesis, characterization, and crystal structures of silylated 4,4â€“diaminodiphenyl sulfone. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 251-254.	1.8	7
15	Aggregation-tuned dual emission of silole derivatives: synthesis, crystal structure, and photophysical properties. <i>New Journal of Chemistry</i> , 2020, 44, 5049-5055.	2.8	7
16	A new SiC precursor with high ceramic yield: Synthesis and characterization of CH<sub>x</sub>MeSiH<sub>2</sub>â€“containing poly(methylsilaneâ€“carbosilane). <i>Journal of Applied Polymer Science</i> , 2019, 136, 47618.	2.6	5
17	Synthesis and phase evolution of Siâ€“Câ€“Ti powder derived from poly(methylsilaacetylene) and Ti. <i>Materials Letters</i> , 2008, 62, 4232-4234.	2.6	4
18	Synthesis, characterization, and pyrolysis of ferrocenyl unit containing organosilicon polymers. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3384-3390.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Synthesis of Functionalized 2,3,4,5-Tetraphenylsilole Derivatives Through Hydrosilylation and Their Crystal Structures. Synthetic Communications, 2012, 42, 2171-2180.	2.1	4
20	Synthesis of Ti <sub>3</sub> SiC <sub>2</sub> Phase from Polycarbosilane Precursor. International Journal of Applied Ceramic Technology, 2010, 7, 738-743.	2.1	3
21	Synthesis and thermal behavior of polymeric precursor for carbon-free silicon oxynitride ceramic. Journal of Applied Polymer Science, 2012, 123, 1094-1099.	2.6	3
22	The synthesis of SiCON ceramics through precursor method. Journal of Applied Polymer Science, 2012, 126, 853-859.	2.6	2
23	Evaluation of poly(methylsilane-carbosilane) synthesized from methyl-dichlorosilane and chloromethyl-dichloromethylsilane as a precursor for SiC. Journal of Applied Polymer Science, 2018, 135, 46610.	2.6	2
24	Borohydride catalyzed redistribution reaction of hydrosilane and chlorosilane: a potential system for facile preparation of hydrochlorosilanes. RSC Advances, 2020, 10, 17404-17407.	3.6	2