

Xueliang Pei

List of Publications by Year in descending order

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29
papers

843
citations

687363

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h-index

477307

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29
times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyimide/graphene composite foam sheets with ultrahigh thermostability for electromagnetic interference shielding. <i>RSC Advances</i> , 2015, 5, 24342-24351.	3.6	227
2	Ultrathin carbon foams for effective electromagnetic interference shielding. <i>Carbon</i> , 2016, 100, 375-385.	10.3	177
3	Preparation and Characterization of Highly Cross-Linked Polyimide Aerogels Based on Polyimide Containing Trimethoxysilane Side Groups. <i>Langmuir</i> , 2014, 30, 13375-13383.	3.5	62
4	Preparation and stereolithography of SiC ceramic precursor with high photosensitivity and ceramic yield. <i>Ceramics International</i> , 2020, 46, 13066-13072.	4.8	39
5	Synthesis and properties of transparent polyimides derived from trans- and cis-1,4-bis(3,4-dicarboxyphenoxy)cyclohexane dianhydrides. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	36
6	Synthesis and characterization of novel optically transparent and organosoluble polyimides based on diamines containing cyclohexane moiety. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	24
7	Synthesis and properties of poly(imide siloxane) block copolymers with different block lengths. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3718-3727.	2.6	24
8	Accelerating the crosslinking process of hyperbranched polycarbosilane by UV irradiation. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3263-3270.	5.7	24
9	The influences of carbon nanotubes introduced in three different phases of carbon fiber/pyrolytic carbon/silicon carbide composites on microstructure and properties of their composites. <i>Carbon</i> , 2018, 129, 409-414.	10.3	23
10	Comparative study on polyimides from isomeric 3,3'-, 3,4'-, and 4,4'-linked bis(thioether anhydride)s. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2484-2494.	2.3	21
11	Influence of crystalline polyimide hard block on the properties of poly(imide siloxane) copolymers. <i>Polymer</i> , 2015, 56, 229-236.	3.8	19
12	Highly effective free radical catalyzed curing of hyperbranched polycarbosilane for near stoichiometric SiC ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1041-1048.	3.8	19
13	Crosslinking kinetics of polycarbosilane precursor in ozone atmosphere and the formation mechanism of continuous hollow SiC fiber. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2028-2035.	5.7	15
14	Preparation of SiC ceramic fiber from a photosensitive polycarbosilane. <i>Ceramics International</i> , 2020, 46, 28300-28307.	4.8	14
15	Low dielectric constant and organosolubility of polyimides derived from unsymmetric phthalic-thioether-naphthalic dianhydrides. <i>Journal of Materials Science</i> , 2011, 46, 1512-1522.	3.7	12
16	Accelerating the graphitization process of polyimide by addition of graphene. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
17	Effect of ultraviolet irradiation on the cross-linking process and ceramic yield of liquid hyperbranched polycarbosilane. <i>Advances in Applied Ceramics</i> , 2017, 116, 445-451.	1.1	12
18	Comparative study on polyimides derived from isomeric diphenylsulfonetetracarboxylic dianhydrides. <i>High Performance Polymers</i> , 2013, 25, 312-323.	1.8	11

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19	Preparation and characterization of poly(imide siloxane) block copolymers based on diphenylthioether dianhydride isomer mixtures. <i>High Performance Polymers</i> , 2011, 23, 625-632.	1.8	10
20	Preparation of poly(aryl ether ketone ketone)â€“silica composite aerogel for thermal insulation application. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 98-109.	2.4	10
21	Digital light processing of SiC ceramic from allylhydridopolycarbosilane with limited acrylate monomers. <i>Ceramics International</i> , 2022, 48, 18468-18474.	4.8	8
22	The effects of phenolic resin-derived PyC interlayers on microstructure and mechanical properties of Cf/SiC composites. <i>Ceramics International</i> , 2018, 44, 16157-16163.	4.8	7
23	A multiscale hydrothermal carbon layer modified carbon fiber for composite fabrication. <i>RSC Advances</i> , 2018, 8, 23339-23347.	3.6	7
24	Preparation of hollow SiC ceramic fibre from polycarbosilane fibre by diffusion-controlled cross-linking method. <i>Advances in Applied Ceramics</i> , 2020, 119, 166-173.	1.1	7
25	Comparative studies on melt processable polyimides derived from 2,3,3â€²,4â€²-oxydipthalic anhydride and 2,3,3â€²,4â€²-thioetherdipthalic anhydride. <i>High Performance Polymers</i> , 2013, 25, 454-463.	1.8	6
26	Preparation of highly porous SiC via ceramic precursor conversion and evaluation of its thermal insulation performance. <i>Advances in Applied Ceramics</i> , 2020, 119, 398-406.	1.1	6
27	Synthesis and characterization of sulfonated block copolyimides derived from 4,4'â€“sulfideâ€“bis(naphthalic anhydride) for proton exchange membranes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	4
28	Hydrophobic modification of poly(aryl ether ketone ketone) aerogel via poly(dimethylsiloxane). <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 220-225.	2.4	4
29	Irradiation behavior of Cf/SiC composite with titanium carbide (TiC)-based interphase. <i>Journal of Nuclear Materials</i> , 2019, 523, 10-15.	2.7	3