

# CITATION REPORT

List of articles citing

## Oxidation protection of carbon materials by acid phosphate impregnation

DOI: 10.1016/S0008-6223(01)00297-4  
Carbon, 2002, 40, 1249-1254.

**Source:** <https://exaly.com/paper-pdf/34784195/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
70	Multilayer coating with self-sealing properties for carbon/carbon composites. <i>Carbon</i> , <b>2003</b> , 41, 2105-2111	10.4	123
69	Morphology and growth mechanism of CVD alumina/silica. <i>Ceramics International</i> , <b>2005</b> , 31, 1103-1107	5.1	6
68	The influence of aluminum phosphates on graphite oxidation. <i>Carbon</i> , <b>2005</b> , 43, 2272-2276	10.4	23
67	Inhibition of catalytic oxidation of carbon/carbon composites by phosphorus. <i>Carbon</i> , <b>2006</b> , 44, 141-151	10.4	142
66	An STM study of phosphoric acid inhibition of the oxidation of HOPG and carbon catalyzed by alkali salts. <i>Carbon</i> , <b>2006</b> , 44, 2069-2079	10.4	7
65	SiC/Si-MoSi <sub>2</sub> oxidation protective coatings for carbon materials. <i>Surface and Coatings Technology</i> , <b>2006</b> , 201, 1861-1865	4.4	32
64	Silicide coating for protection of C/C composites at 1873K. <i>Surface and Coatings Technology</i> , <b>2006</b> , 201, 3082-3086	4.4	21
63	Alumina-silica composite coatings on graphite by CVD at 550°C. <b>2006</b> , 3, 231-235		6
62	Oxidation protective behavior of SiC/Si-MoSi <sub>2</sub> coating for different graphite matrix. <i>Materials Letters</i> , <b>2006</b> , 60, 1964-1967	3.3	32
61	Effect of SiC whiskers on the microstructure and oxidation protective ability of SiC-CrSi <sub>2</sub> coating for carbon/carbon composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 445-446, 386-391	5.3	11
60	Multilayer oxidation resistant coating for SiC coated carbon/carbon composites at high temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 475, 279-284	5.3	20
59	Fabricated carbon from minimally processed coke and coal tar pitch as a carbon-sequestering construction material. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 2097-2100	4.3	3
58	Oxidation resistance of dense carbon fiber/SiO <sub>2</sub> glass composite fabricated by pre-oxidation and spark plasma sintering. <i>Materials &amp; Design</i> , <b>2009</b> , 30, 4498-4501		2
57	Tailoring Composite Materials. <i>Engineering Materials and Processes</i> , <b>2010</b> , 157-201		2
56	A hot-pressing reaction technique for SiC coating of carbon/carbon composites. <i>Ceramics International</i> , <b>2010</b> , 36, 1463-1466	5.1	7
55	Preparation and Oxidation Resistance of the Borate Glass Coating on Graphite Anode. <i>Key Engineering Materials</i> , <b>2010</b> , 434-435, 469-473	0.4	
54	SiC/Si - MoSi <sub>2</sub> /MoSi <sub>2</sub> Oxidation Protective Coating for Carbon Material at 1700°C. <i>Advanced Materials Research</i> , <b>2010</b> , 160-162, 1-6	0.5	1

53	Composite Materials. <i>Engineering Materials and Processes</i> , <b>2010</b> ,		106
52	Influence of SiC nanowires on the properties of SiC coating for C/C composites between room temperature and 1500°C. <i>Corrosion Science</i> , <b>2011</b> , 53, 3048-3053	6.8	64
51	Thermal fatigue behavior of C/C composites modified by SiC/MoSi <sub>2</sub> /CrSi <sub>2</sub> coating. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 8111-8115	5.7	28
50	Performance of a ceramic frit anti-oxidation coating on a MgO refractory brick. <i>Ceramics International</i> , <b>2011</b> , 37, 3419-3423	5.1	6
49	Methods of production, structure, and physicochemical characteristics of phosphorylated carbon adsorbents. <i>Theoretical and Experimental Chemistry</i> , <b>2011</b> , 47, 277-291	1.3	20
48	Influence of temperature on phase, microstructure and oxidation resistance of carbon/carbon composites modified by hydrothermal treatment. <i>Surface Engineering</i> , <b>2011</b> , 27, 320-324	2.6	
47	Oxidation behaviour of matrix modified carbon/carbon composites by novel solvothermal process. <i>Materials Research Innovations</i> , <b>2012</b> , 16, 310-315	1.9	2
46	SiC coating toughened by SiC nanowires to protect C/C composites against oxidation. <i>Ceramics International</i> , <b>2012</b> , 38, 189-194	5.1	38
45	Kinetic study of the oxidation resistance of phosphorus-containing activated carbons. <i>Carbon</i> , <b>2012</b> , 50, 1523-1537	10.4	178
44	Inhibition of the catalytic oxidation of carbon/carbon composite materials by an aluminophosphate coating. <i>Carbon</i> , <b>2012</b> , 50, 3440-3445	10.4	10
43	Fabrication of a SiC/Si/MoSi <sub>2</sub> multi-coating on graphite materials by a two-step technique. <i>Ceramics International</i> , <b>2012</b> , 38, 2165-2170	5.1	16
42	High-temperature protective coatings for carbon fibers. <i>Inorganic Materials</i> , <b>2012</b> , 48, 213-221	0.9	37
41	Effect of Process Parameters and Binder Concentration on Mechanical Properties of Phosphate Bonded Alumina. <i>Transactions of the Indian Ceramic Society</i> , <b>2013</b> , 72, 130-135	1.8	6
40	SiC multi-layer protective coating on carbon obtained by thermionic vacuum arc method. <b>2013</b> ,		1
39	Phosphorus-assisted biomass thermal conversion: reducing carbon loss and improving biochar stability. <i>PLoS ONE</i> , <b>2014</b> , 9, e115373	3.7	52
38	Thermally Sprayed Y <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Coatings for High-Temperature Protection of SiC Ceramics. <i>Journal of Thermal Spray Technology</i> , <b>2014</b> , 24, 185	2.5	2
37	Effect of B <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> mass ratio on oxidation resistant property of phosphate coating for C/C composites. <i>Materials Research Innovations</i> , <b>2014</b> , 18, S4-715-S4-718	1.9	7
36	Influence of heat-treatment on oxidation-resistance of phosphate-coating for C/C composite. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2014</b> , 24, 455-461	3.3	9

35	Development and complex characterization of bio-tribological Cr/CrN + a-C:H (doped Cr) nano-multilayer protective coatings for carbon fiber-composite materials. <i>RSC Advances</i> , <b>2015</b> , 5, 9405-9415	3.7	10
34	Utilization of Compounds of Phosphorus. <b>2016</b> ,		
33	Characterization of latticed SiC nanowires containing coating for carbon foam using carbonization activated pack cementation process. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 682, 695-705	5.7	10
32	The effect of doped heteroatoms (nitrogen, boron, phosphorus) on inhibition thermal oxidation of reduced graphene oxide. <i>RSC Advances</i> , <b>2016</b> , 6, 105021-105029	3.7	50
31	Oxidation behavior of carbon/carbon composites coated with a SiSiO <sub>x</sub> /BNB <sub>2</sub> O <sub>3</sub> SiO <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> oxidation protection system at intermediate temperature. <i>Vacuum</i> , <b>2016</b> , 128, 9-16	3.7	6
30	Aluminum phosphate sealing to improve insulation resistance of plasma-sprayed alumina coating. <i>Materials and Manufacturing Processes</i> , <b>2017</b> , 32, 1435-1441	4.1	15
29	Effects of phosphate binder on the lubricity and wear resistance of graphite coating at elevated temperatures. <i>Surface and Coatings Technology</i> , <b>2017</b> , 315, 490-497	4.4	27
28	Role of surface phosphorus complexes on the oxidation of porous carbons. <i>Fuel Processing Technology</i> , <b>2017</b> , 157, 116-126	7.2	65
27	Oxidation Inhibited Graphite: What Is It?. <b>2017</b> ,		
26	References. <b>2017</b> , 563-653		
25	Oxidation protection of carbon fiber by sol-gel derived boron doped yttria stabilized zirconia coatings. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 229, 59-64	3.1	16
24	Effect of Al <sub>2</sub> O <sub>3</sub> on the densification and oxidation behavior of SiC coating for carbon/carbon composites. <i>Ceramics International</i> , <b>2018</b> , 44, 12702-12708	5.1	12
23	Organosilicon resin-based carbon/ceramic polygranular composites with improved oxidation resistance. <i>Korean Journal of Chemical Engineering</i> , <b>2018</b> , 35, 1354-1364	2.8	5
22	Formation of aluminum phosphate coating on graphite by cathodic electrochemical treatment. <i>Surface and Coatings Technology</i> , <b>2018</b> , 349, 846-857	4.4	4
21	Ceramic coating formation during carbothermic reaction of polysiloxanes with carbon and graphite materials. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 238, 121908	4.4	9
20	Fabrication of porous silicon carbide ceramics at low temperature using aluminum dihydrogen phosphate as binder. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 785, 838-845	5.7	15
19	Oxidation protection of aluminum metaphosphate coating prepared by cathodic electrochemical treatment for graphite. <i>Ceramics International</i> , <b>2019</b> , 45, 15815-15823	5.1	4
18	Properties of -O-Cu-O- Bridged Copper Phosphate-Based Thermal Insulation Materials. <i>ACS Omega</i> , <b>2019</b> , 4, 19969-19976	3.9	2

17	Review of oxidant resistant coating on graphite substrate of HTR fuel element. <i>Journal of Central South University</i> , <b>2019</b> , 26, 2915-2929	2.1	1
16	Phosphorus-containing carbons: Preparation, properties and utilization. <i>Carbon</i> , <b>2020</b> , 157, 796-846	10.4	46
15	Study on the corrosion resistance of cordierite-mullite and SiC refractories to Li-ion ternary cathode materials. <i>Ceramics International</i> , <b>2020</b> , 46, 2829-2835	5.1	3
14	Synthesis of a high-temperature stable electrochemically exfoliated graphene. <i>Carbon</i> , <b>2020</b> , 157, 681-692	2.4	34
13	Fabrication and oxidation resistance behavior of phosphate/borate impregnation for graphite. <i>Surface and Coatings Technology</i> , <b>2020</b> , 389, 125632	4.4	3
12	Combined Zr and Y phosphate coatings reinforced with chemically anchored B <sub>2</sub> O <sub>3</sub> for the oxidation inhibition of carbon fiber. <i>Materialia</i> , <b>2021</b> , 15, 100984	3.2	3
11	Fire-retardant carbon/glass fabric-reinforced epoxy sandwich composites for structural applications. <i>Polymer Composites</i> , <b>2021</b> , 42, 45-56	3	2
10	Further insights on the thermal degradation of aluminum metaphosphate prepared from aluminum dihydrogen phosphate solution. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 4970-4976	6	1
9	Investigations on oxidation resistance of phase change materials for heat storage. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2011, 012006	0.3	
8	Comparison of oxidation resistance behavior between Y <sup>3+</sup> and Zr <sup>4+</sup> modified aluminum phosphate impregnated graphite. <i>Surface and Coatings Technology</i> , <b>2021</b> , 423, 127629	4.4	0
7	Synthesis of chemically bonded phosphate ceramic coatings with tailored curing behaviour and enhanced oxidation resistance. <i>Ceramics International</i> , <b>2020</b> , 46, 20448-20455	5.1	1
6	Oxidation-Protective Coatings for Carbon-Carbon Composites. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2018</b> , 429-446	0.2	1
5	Strength Increase of Medium Temperature-carbonized PAN Nano Fibers Made by Mechano-electrospinning. <i>Composites Research</i> , <b>2013</b> , 26, 160-164		
4	Infiltration of macroporous carbon materials with silicon oxycarbide modified by carbon nanotubes. <i>Ceramics International</i> , <b>2021</b> ,	5.1	0
3	Effect of SiO <sub>2</sub> content on the oxidation resistance of SiO <sub>2</sub> B <sub>4</sub> C-glass coating for alumina-carbon refractories. <b>2022</b> ,		0
2	Calcium enhances phosphorus reclamation during biochar formation: Mechanisms and potential application as a phosphorus fertilizer in a paddy soil. <b>2023</b> , 162, 83-91		0
1	Superelastic Carbon Aerogels: An Emerging Material for Advanced Thermal Protection in Extreme Environments.		0