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124	Resorcinol-Formaldehyde and Carbon Aerogel Microspheres. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 431, 521		13
123	Carbon aerogels from dilute catalysis of resorcinol with formaldehyde. 1997 , 221, 144-150		111
122	Pore structures of activated carbon fibers from organometallics/pitch composites by nitrogen adsorption. 1998 , 36, 1769-1776		41
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120	Characterization of porous carbons with high resolution μ -analysis and low temperature magnetic susceptibility. 1998 , 76-77, 295-320		138
119	Structure of carbon aerogels near the gelation limit of the resorcinol-formaldehyde precursor. 1998 , 225, 41-45		66
118	Influence of monomer and catalyst concentration on RF and carbon aerogel structure. 1998 , 225, 69-73		59
117	High rate electrodes of V2O5 aerogel. 1999 , 44, 2209-2217		80
116	Preparation of mesoporous carbon by freeze drying. 1999 , 37, 2049-2055		242
115	PREPARATION OF ORGANIC MESOPOROUS GEL BY SUPERCRITICAL/FREEZE DRYING. 1999 , 17, 1653-1665		22
114	Phase separation in confined systems. 1999 , 62, 1573-1659		1349
113	Ultra-thin Microporous Carbon Films. 2000 , 128, 361-370		
112	Aerogels. 2000 ,		
111	Influence of freeze-drying conditions on the mesoporosity of organic gels as carbon precursors. 2000 , 38, 1099-1105		161
110	Thermal Engineering of Mars Entry Carbon/Carbon Non-Ablative Aeroshell - Part 2. 2000 ,		0

109	Carbon aerogel: a new nonreflective material for the infrared. 2000 , 39, 3940-4	21
108	Single step synthesis of metal catalysts supported on porous carbon with controlled texture. 2000 , 619-626	3
107	EFFECT OF DRYING METHOD ON MESOPOROSITY OF RESORCINOL-FORMALDEHYDE DRYGEL AND CARBON GEL. 2001 , 19, 1319-1333	50
106	Carbon aerogels as broadband non-reflective materials. 2001 , 285, 210-215	46
105	Control of mesoporosity of carbon gels prepared by sol-gel polycondensation and freeze drying. 2001 , 288, 46-55	136
104	Thermal Engineering of Mars Entry Carbon/Carbon Non-Ablative Aeroshell - Part 3. 2001 ,	
103	Organic Aerogels with Very High Impact Strength. 2001 , 13, 644-646	177
102	Planar fibre reinforced carbon aerogels for application in PEM fuel cells. 2001 , 39, 857-867	80
101	Carbon Aerogels. 2001 , 898-900	
100	Materials that emit light by chemical reaction. 2002 , 360, 89-96	4
99	Chemistry of aerogels and their applications. 2002 , 102, 4243-65	1570
98	Electrosorption of inorganic salts from aqueous solution using carbon aerogels. 2002 , 36, 3010-9	400
97	Preparation and characterization of carbon cryogel microspheres. 2002 , 40, 1345-1351	127
96	Influence of surfactants on porous properties of carbon cryogels prepared by sol-gel polycondensation of resorcinol and formaldehyde. 2003 , 41, 2981-2990	24
95	Pore Structures of ZSM-5 Synthesized in the Mesopore Spaces of a Carbon Aerogel. 2003 , 21, 199-203	16
94	Porous carbon xerogels with texture tailored by pH control during sol-gel process. 2004 , 42, 619-628	295
93	Easy and flexible preparation of nanocasted carbon monoliths exhibiting a multimodal hierarchical porosity. 2004 , 72, 59-65	81
92	Silica/C composites prepared by the sol-gel method. Influence of the synthesis parameters on textural characteristics. 2004 , 74, 111-119	17

91	Template synthesis and characterization of mesoporous zeolites. 2004 , 241, 75-80	30
90	Basic metal-carbons catalysts prepared by sol-gel method. 2004 , 42, 1575-1582	28
89	Porous properties of carbon gel microspheres as adsorbents for gas separation. 2004 , 42, 1671-1676	62
88	Formation of unique nanowhiskers on carbon gels. 2004 , 42, 2119-2121	
87	Synthesis of transition metal-doped carbon xerogels by solubilization of metal salts in resorcinol-formaldehyde aqueous solution. 2004 , 42, 3217-3227	42
86	Acetic-acid-catalyzed and subcritically dried carbon aerogels with a nanometer-sized structure and a wide density range. 2004 , 350, 131-135	35
85	Improvement of mesoporosity of carbon cryogels by ultrasonic irradiation. 2005 , 43, 525-531	35
84	Carbon aerogels, cryogels and xerogels: Influence of the drying method on the textural properties of porous carbon materials. 2005 , 43, 2481-2494	349
83	Study of correlation of structural and surface properties with electrochemical behaviour in carbon aerogels. <i>Journal of Materials Science</i> , 2005 , 40, 3777-3782	4-3 23
82	Microstructure Control of RF and Carbon Aerogels Prepared by Sol-Gel Process. 2005 , 36, 131-136	29
81	Effect of Drying Method on Gas Adsorption Characteristics of Carbon Gel Microspheres. 2005 , 23, 2119-2129	9
80	Preparation of resorcinol formaldehyde (RF) carbon gels: Use of ultrasonic irradiation followed by microwave drying. 2006 , 352, 5683-5686	40
79	Preparation of carbon cryogels from wattle tannin and furfural. 2007 , 98, 258-266	39
78	Synthesis and characterization of electrical conducting nanoporous carbon structures. 2007 , 395, 104-110	25
77	Control of mesoporous properties of carbon cryogels prepared from wattle tannin and furfural. 2008 , 15, 695-703	13
76	Cellulose aerogels from aqueous alkali hydroxide-urea solution. 2008 , 1, 149-54	289
75	Preparation of carbon aerogels from 5-methylresorcinol-formaldehyde gels. 2008 , 108, 230-236	34
74	Improvement of mesoporosity of carbon cryogels by acid treatment of hydrogels. 2008 , 115, 432-439	12

73	Nanostructure control of carbon aerogels and the application in lithium ion cells. 2008,	2
72	Further Reading. 2009, 17, 113-197	
71	Synthesis and characterization of electrical conducting porous carbon structures based on resorcinol-formaldehyde. 2009, 11, 1747-1751	23
70	Synthesis of carbon xerogel particles and fractal-like structures. 2009, 64, 1536-1543	41
69	Water sorption on composite silica modified by calcium nitrate 2009, 122, 223-228	87
68	Preparation and Application of Carbon Aerogels. 2011, 813-831	7
67	HCl Treatment on Micropore and Mesopore Structures of Carbon Cryogels from Resorcinol and Formaldehyde. 2011, 44, 110-117	1
66	Influence of carbon xerogel textural properties on the dynamic adsorption of methyl iodide. 2011, 173, 19-28	9
65	Advances in tailoring resorcinol-formaldehyde organic and carbon gels. 2011, 23, 2887-903	320
64	Low-cost production of mesoporous carbon/carbon composite cryogels. 2011, 49, 3404-3411	18
63	Potential of nano-carbon xerogels in the remediation of dye-contaminated water discharges. 2011, 265, 169-176	44
62	Influence of solvent species used in solvent exchange for preparation of mesoporous carbon xerogels from resorcinol and formaldehyde via subcritical drying. 2011, 138, 8-16	36
61	Fast microwave-assisted synthesis of tailored mesoporous carbon xerogels. 2011, 357, 541-7	51
60	The electrochemical performance of carbon-aerogel-based nanocomposite anodes compound with graphites for lithium-ion cells. 2011, 30, 827-832	6
59	Hierarchically Nanostructured Zeolites of Tunable Porosities with Aerogel Templating. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1306, 1	
58	Textural and adsorption characteristics of carbon xerogel adsorbents for removal of Cu (II) ions from aqueous solution. 2012, 358, 741-747	38
57	Synthesis of morphology-controlled carbon hollow particles by carbonization of resorcinol-formaldehyde precursor microspheres and applications in lithium-ion batteries. 2012, 133, 429-436	19
56	dc and ac characterizations of electrical conducting nanoporous carbon structures based on resorcinol-formaldehyde. 2012, 73, 707-712	10

55	Carbon tunnels formed in carbon/carbon composite cryogels. 2012 , 153, 47-54	13
54	Carbon-Doped Cryogel Thin Films Derived from Resorcinol Formaldehyde. 2013 , 475-485	
53	Microporous activated carbon aerogels via a simple subcritical drying route for CO ₂ capture and hydrogen storage. 2013 , 179, 151-156	85
52	Polysulfone mixed matrix gas separation hollow fibre membranes filled with polymer and carbon xerogels. 2013 , 92, 13-20	28
51	Capacitive performance of binder-free carbon/carbon composite cryogels. 2013 , 165, 228-233	13
50	CVD growth of carbon nanostructures from zirconia: mechanisms and a method for enhancing yield. 2014 , 136, 17808-17	27
49	Optimal electrochemical performances of CO ₂ activated carbon aerogels for supercapacitors. 2014 , 29, 213-218	7
48	Strategies to Improve the Accessibility to the Intracrystalline Void of Zeolite Materials: Some Chemical Reflections. 2015 , 1-30	3
47	Self-assembled and pyrolyzed carbon aerogels: an overview of their preparation mechanisms, properties and applications. 2015 , 7, 14139-58	51
46	Deformation of Microporous Carbon during Adsorption of Nitrogen, Argon, Carbon Dioxide, and Water Studied by in Situ Dilatometry. 2015 , 31, 12512-9	35
45	Nitrogen and phosphorous-doped porous carbon xerogels as metal-free catalysts for environmental catalytic peroxide oxidation of 4-nitrophenol. 2016 , 11, 836-845	19
44	Pore structure and adsorption properties of carbon xerogels derived from carbonization of tannic acid-resorcinol-formaldehyde resin. 2016 , 119, 60-68	25
43	Investigation on porous properties of carbon/carbon composite cryogels by using weighted arithmetic mean. 2016 , 231, 57-65	3
42	Using in-situ adsorption dilatometry for assessment of micropore size distribution in monolithic carbons. 2016 , 103, 263-272	28
41	Effect of the addition of a second phenol on the textural properties of carbon aerogels. 2016 , 22, 81-87	1
40	Preparation and Application of Electrodes in Capacitive Deionization (CDI): a State-of-Art Review. 2016 , 11, 64	96
39	Amphiphilic organosilane and seed assisted hierarchical ZSM-5 synthesis: Crystallization process and structure. 2016 , 221, 108-116	27
38	Comparison of PSD of carbon aerogels obtained by QSDFT and immersion calorimetry at different resorcinol/catalyst ratio. 2017 , 248, 164-172	7

37	Hierarchical Polyaniline Spikes over Vegetable Oil derived Carbon Aerogel for Solid-State Symmetric/Asymmetric Supercapacitor. 2017 , 240, 146-154		30
36	Free- and Ni-doped carbon xerogels catalysts for wet peroxide oxidation of methyl orange. 2017 , 16, 21-27		19
35	Mitigation of anomalous expansion of carbon xerogels and controllability of mean-pore-size by changes in mold geometry. 2017 , 458, 22-27		4
34	The monolithic carbon aerogels and aerogel composites for electronics and thermal protection applications. 2017 ,		0
33	Production of Porous Carbons from Resorcinol-Formaldehyde Gels: Applications. 2017 , 175-196		1
32	Direct ink writing of organic and carbon aerogels. 2018 , 5, 1166-1175		51
31	Nanostructure to thermal property relationship of resorcinol formaldehyde aerogels using the fractal technique. 2018 , 10, 10564-10575		24
30	Green and facile fabrication of Cu-doped carbon aerogels from sodium alginate for supercapacitors. 2019 , 70, 246-251		22
29	Step-freeze-drying method for carbon aerogels: a study of the effects on microstructure and mechanical property.. 2019 , 9, 9931-9936		13
28	P-doped hierarchical porous carbon aerogels derived from phenolic resins for high performance supercapacitor. <i>Applied Surface Science</i> , 2019 , 475, 56-66	6.7	88
27	Recent advances in soft functional materials: preparation, functions and applications. 2020 , 12, 1281-1306		35
26	Toward Next-Generation Carbon-Based Materials Derived from Waste and Biomass for High-Performance Energy Applications. <i>Energy Technology</i> , 2020 , 8, 2000714	3.5	3
25	1000 at 1000: the lightest bakelite and beyond. <i>Journal of Materials Science</i> , 2020 , 55, 15637-15642	4.3	0
24	Study of Carbon Aerogel Composites for Thermal Protection Applications. <i>Key Engineering Materials</i> , 2020 , 845, 9-14	0.4	1
23	Carbon Xerogels for Effluent Treatment. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 2255-2270		4
22	Carbon aerogels: Synthesis, properties, and applications. 2021 , 739-781		
21	Cobalt nanoparticle catalysed graphitization and the effect of metal precursor decomposition temperature. <i>Materials Advances</i> ,	3.3	4
20	Relationships between texture, surface chemistry and performance of N-doped carbon xerogels in the oxygen reduction reaction. <i>Applied Surface Science</i> , 2021 , 548, 149242	6.7	9

19	Influence of Evaporation Drying on the Porous Properties of Carbon/Carbon Composite Xerogels. <i>Polymers</i> , 2021 , 13,	4.5	1
18	HIGH RESOLUTION TRANSMISSION ELECTRON MICROSCOPY IMAGE ANALYSIS OF DISORDERED CARBONS USED FOR ELECTROCHEMICAL STORAGE OF ENERGY. 2006 , 411-424		1
17	Carbon Based Aerogels and Xerogels for Removing of Toxic Organic Compounds. <i>Lecture Notes in Networks and Systems</i> , 2020 , 743-749	0.5	1
16	Carbon aerogels with modified pore structures as electrode materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3545-3555	2.6	11
15	Carbon Aerogels. 2016 ,		1
14	Carbon Aerogels: a study with different models of the effect resorcinol/catalyst at different ratios after pyrolysis and the effect on textural properties. <i>European Journal of Chemistry</i> , 2017 , 8, 279-287	0.6	2
13	Monolithic Carbon Spherogels as Freestanding Electrodes for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 11183-11193	6.1	1
12	Structure of porous carbon materials for energy storage applications. <i>Ganseki Kobutsu Kagaku</i> , 2004 , 33, 114-120	0.1	
11	Mirror fusion propulsion system - A performance comparison with alternate propulsion systems for the manned Mars mission. 1993 ,		1
10	C-Based Materials on a Nanoscale: Synthesis, Properties, Applications, and Economical Aspects. 2016 , 15-18		
9	The effects of strontium ferrite micro-and nanoparticles on the microstructure, phase, magnetic properties, and electromagnetic waves absorption of graphene oxide-SrFe ₁₂ O ₁₉ -SiC aerogel nanocomposite. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 168667	2.8	3
8	The Sol-Gel Chemistry of Non-oxides. 2020 , 129-164		
7	A review on the development of a porous carbon-based as modeling materials for electric double layer capacitors. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103625	5.9	2
6	Comparison of Dynamic Charge Acceptance Tests on Lead Acid Cells for Carbon Additive Screening. <i>Energy Technology</i> , 2101051	3.5	1
5	Processing of aerogels and their applications toward CO adsorption and electrochemical reduction: a review.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
4	A review of carbon materials for supercapacitors. 2022 , 221, 111017		5
3	The influence of the surface chemistry of phosphorylated carbon xerogel catalysts on the production of HMF from fructose in water. 2023 , 334, 126610		1
2	A perspective on methods to computationally design the morphology of aerogels.		0

1 Utilizing Thermal Energy for Crosslinking Gels: A Novel Rapid Approach. **2023**, 16, 1447

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